

FIG. 1

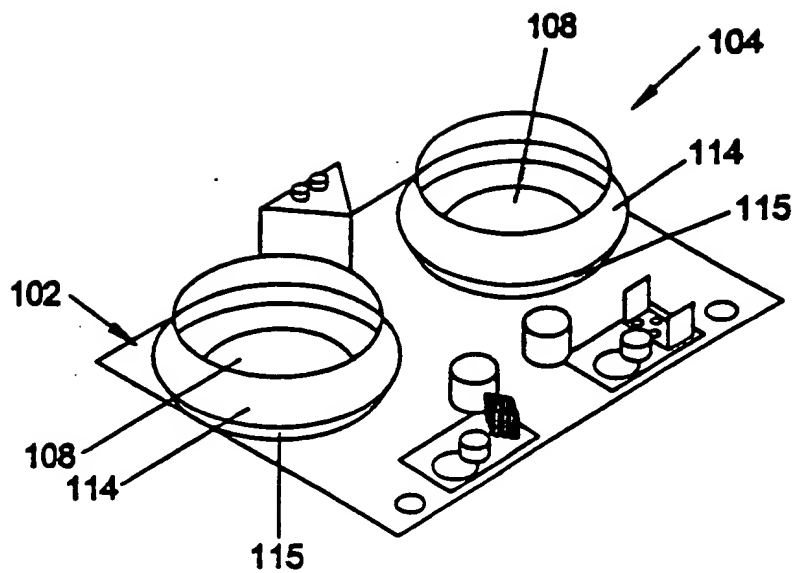


FIG. 2

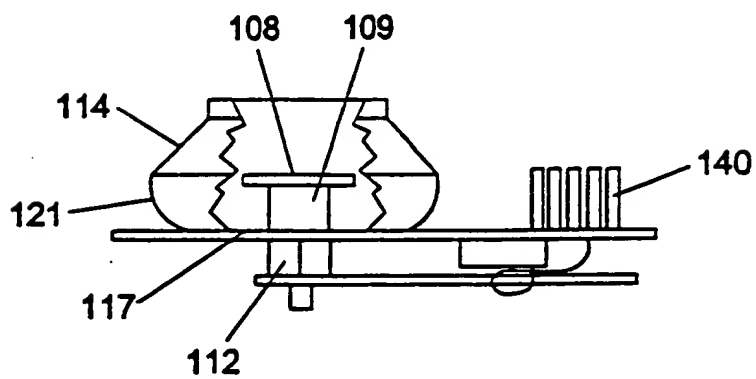


FIG. 3

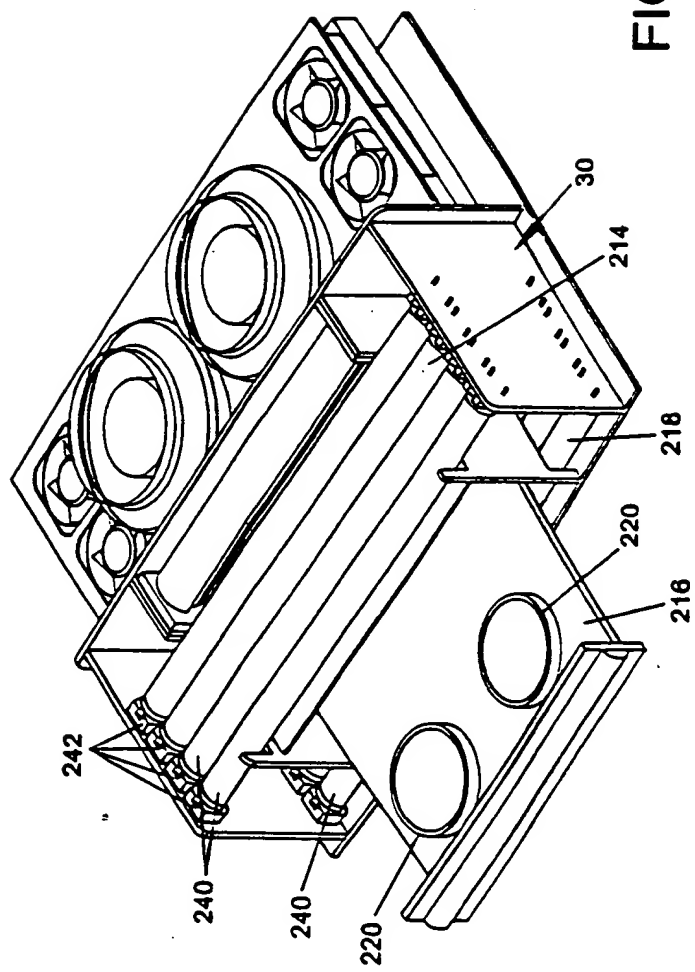


FIG. 4

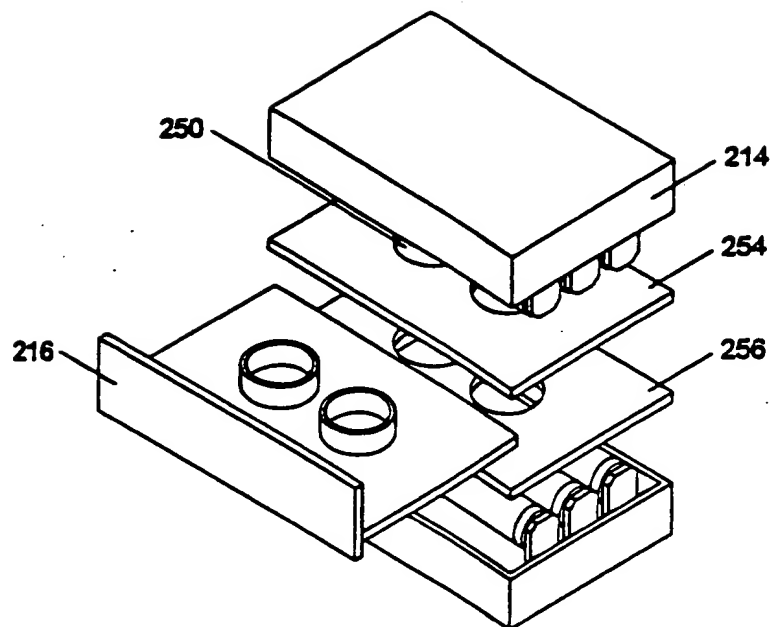


FIG. 5

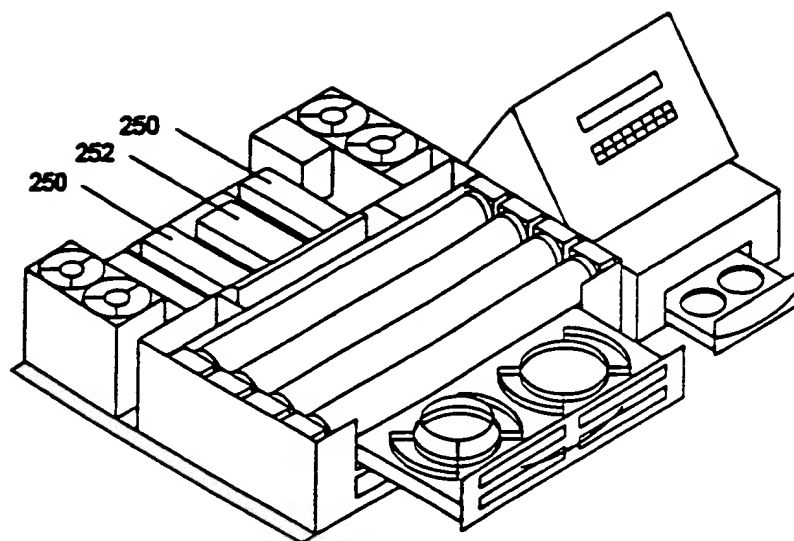


FIG. 6

FIG. 7 is a schematic diagram of a system 700. The system 700 includes a central component 712, which is a long horizontal rectangle. Above component 712 is a rectangular block 714. To the left of component 712 is a rectangular block 711. To the right of component 712 is a rectangular block 716. Below component 712 is another rectangular block 716. Solid lines connect block 711 to component 712, block 714 to component 712, and both blocks 716 to component 712. Dotted lines connect block 711 to block 714, block 714 to block 716 (left), and block 716 (right) to block 716 (left). Two arrows, both labeled 718, point to the left and right ends of component 712, indicating specific features or connections at those points.

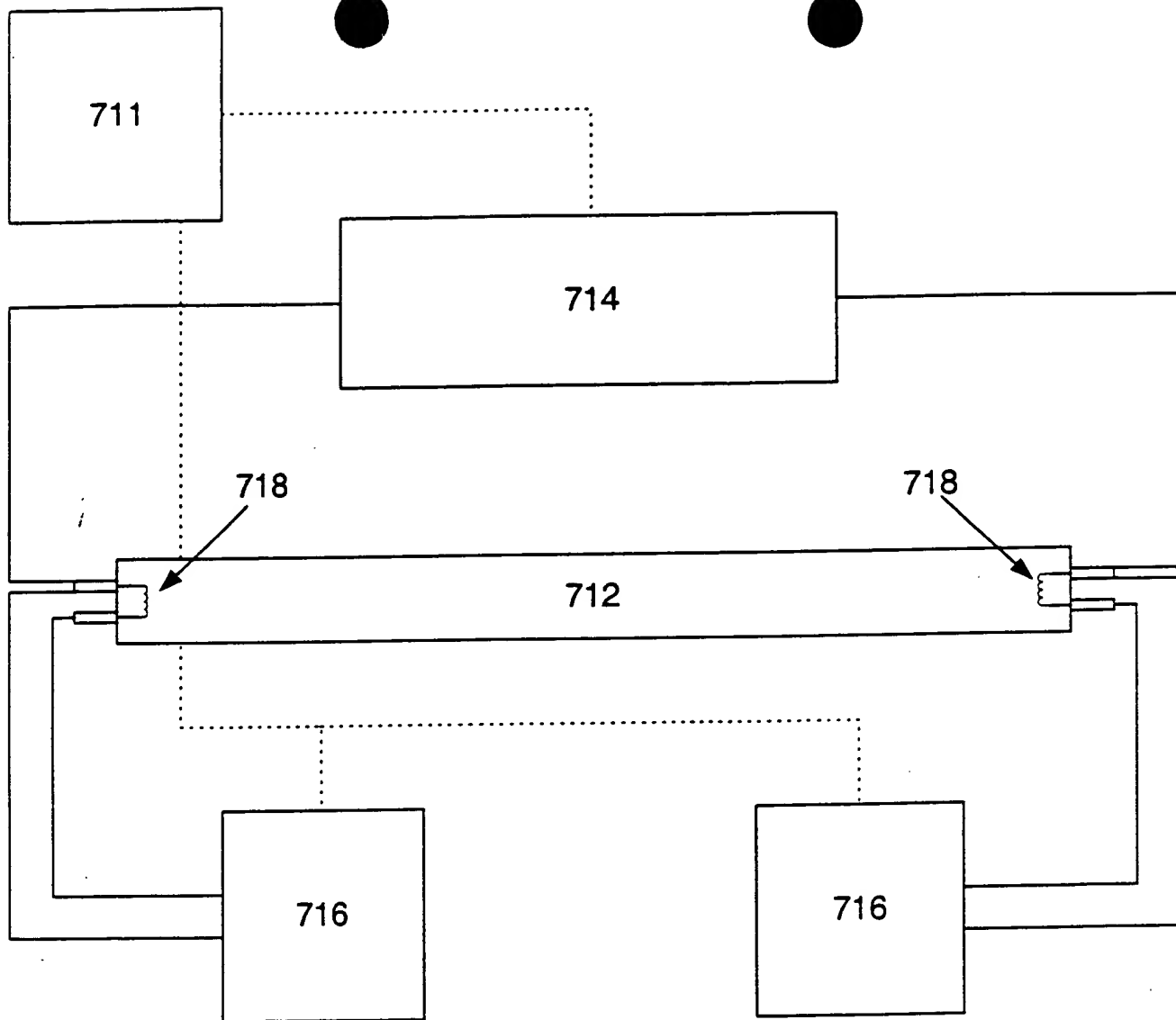


FIG. 7

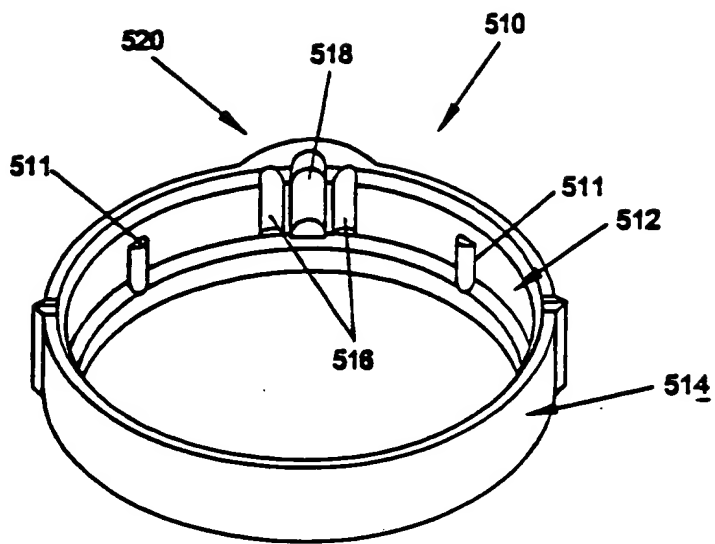


FIG. 9

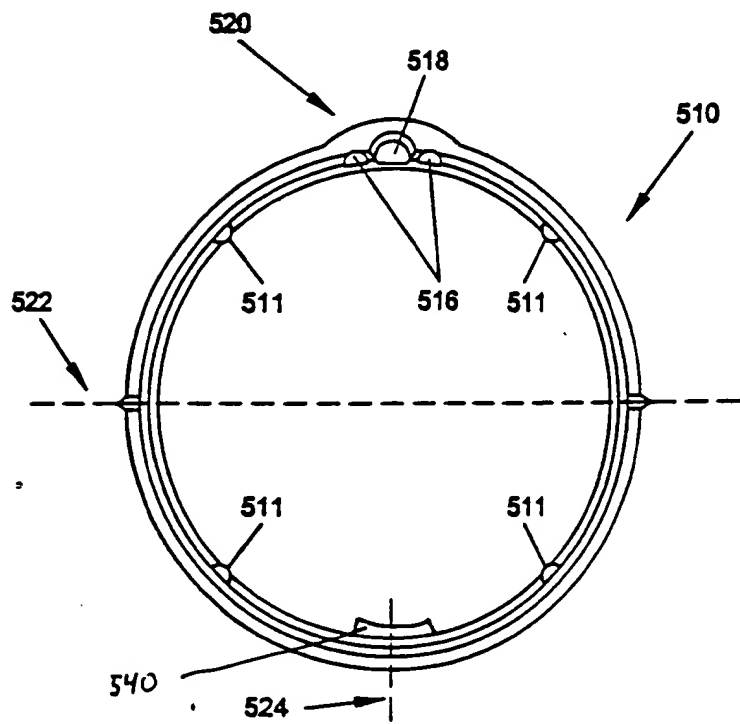


FIG. 10

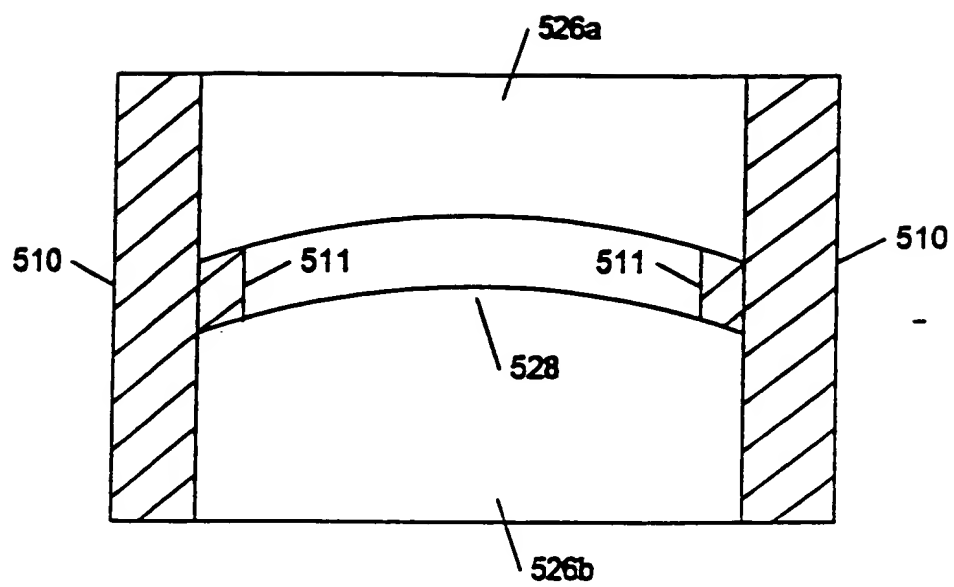


FIG. 11

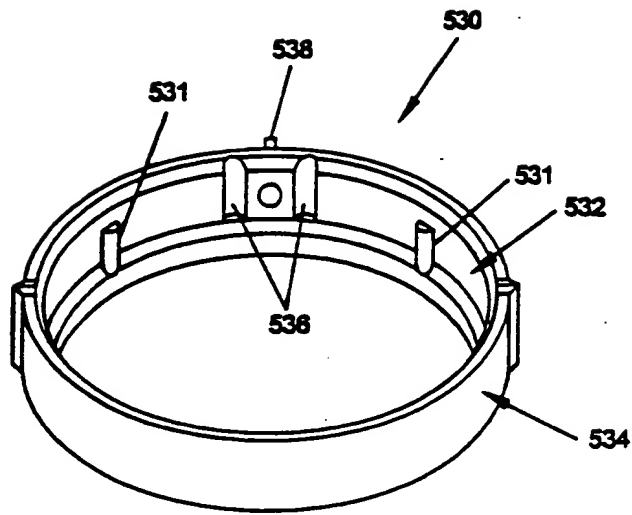


FIG. 12

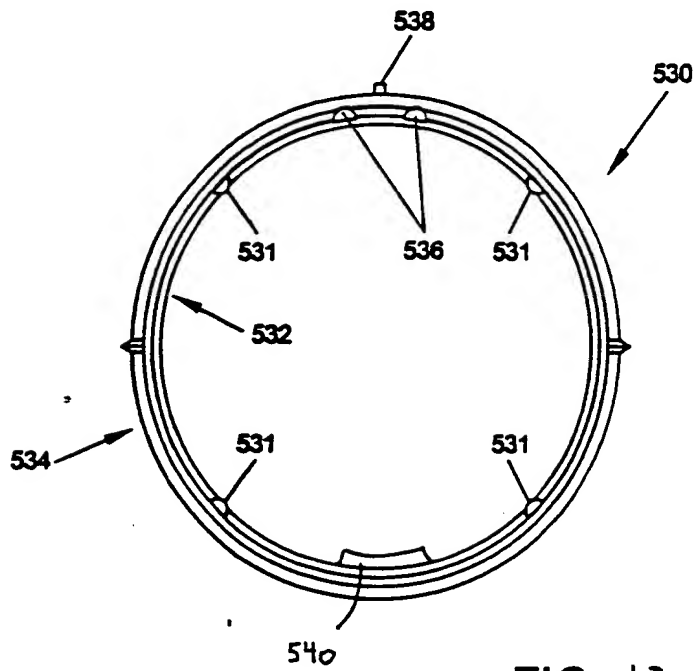


FIG. 13

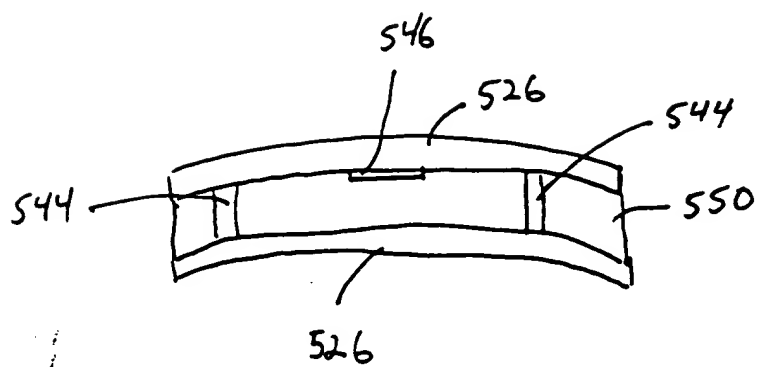


FIG. 14

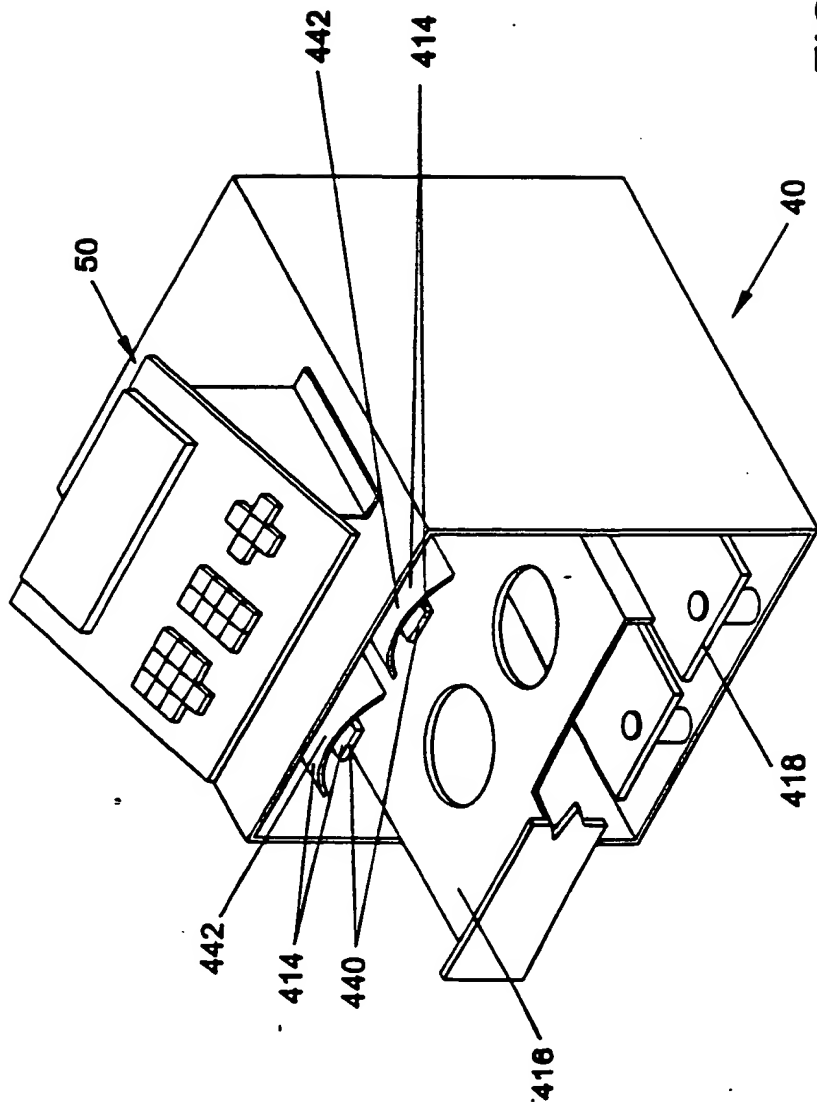


FIG. 15

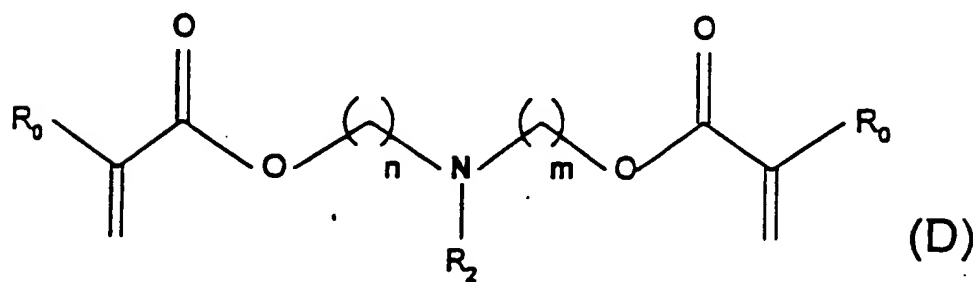
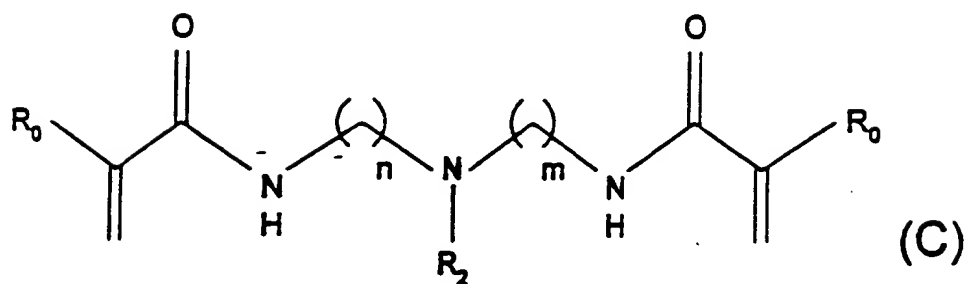
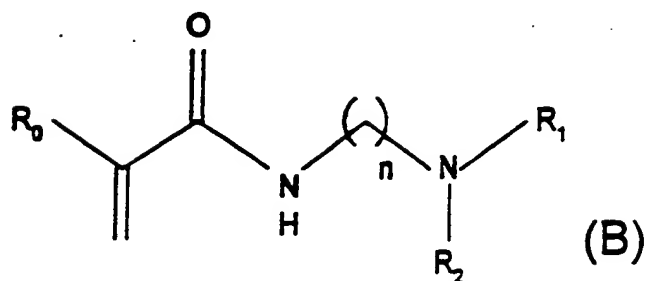
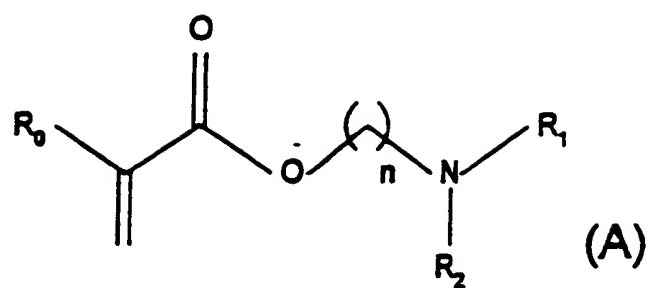


FIG. 16

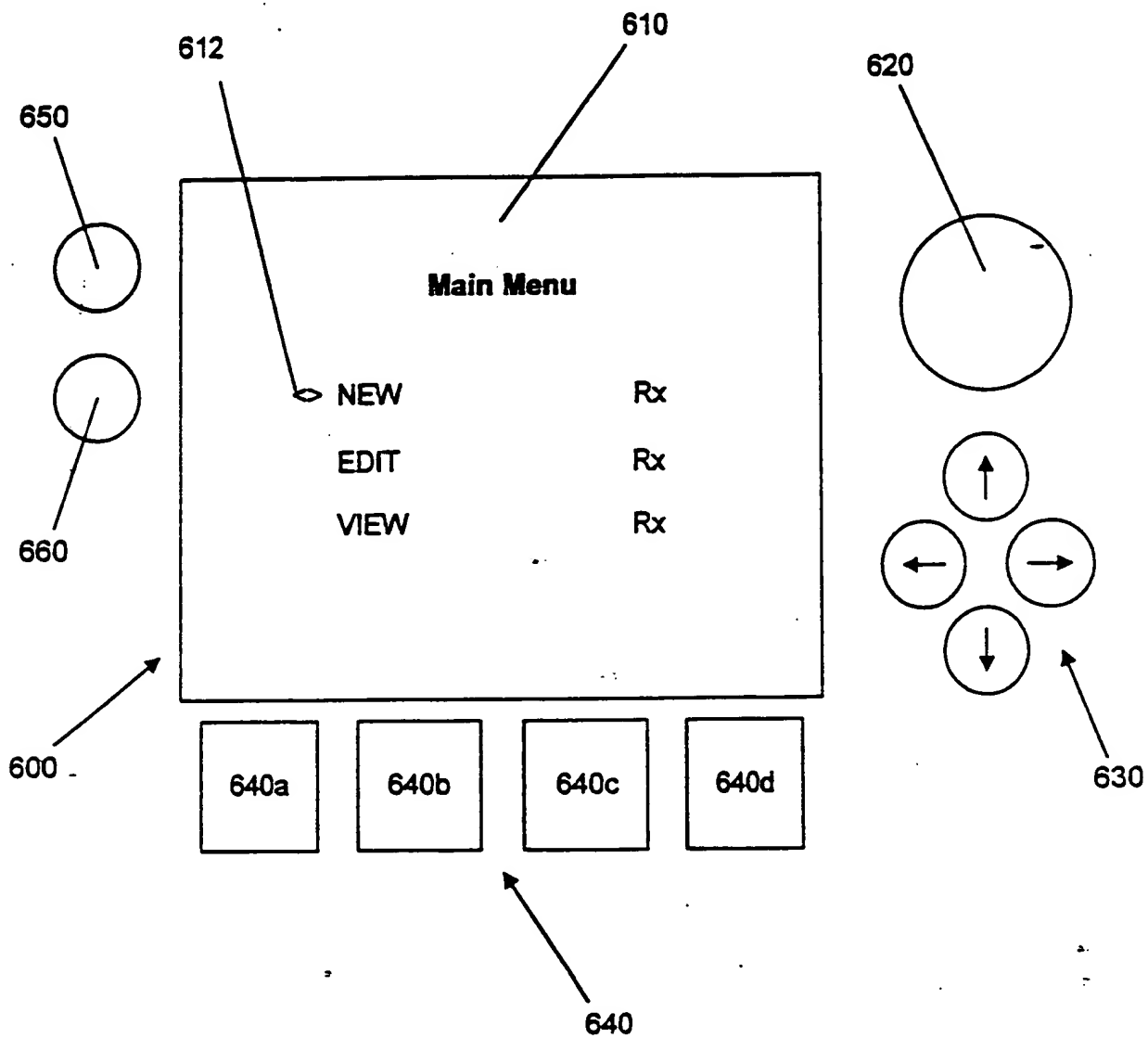


FIG. 17

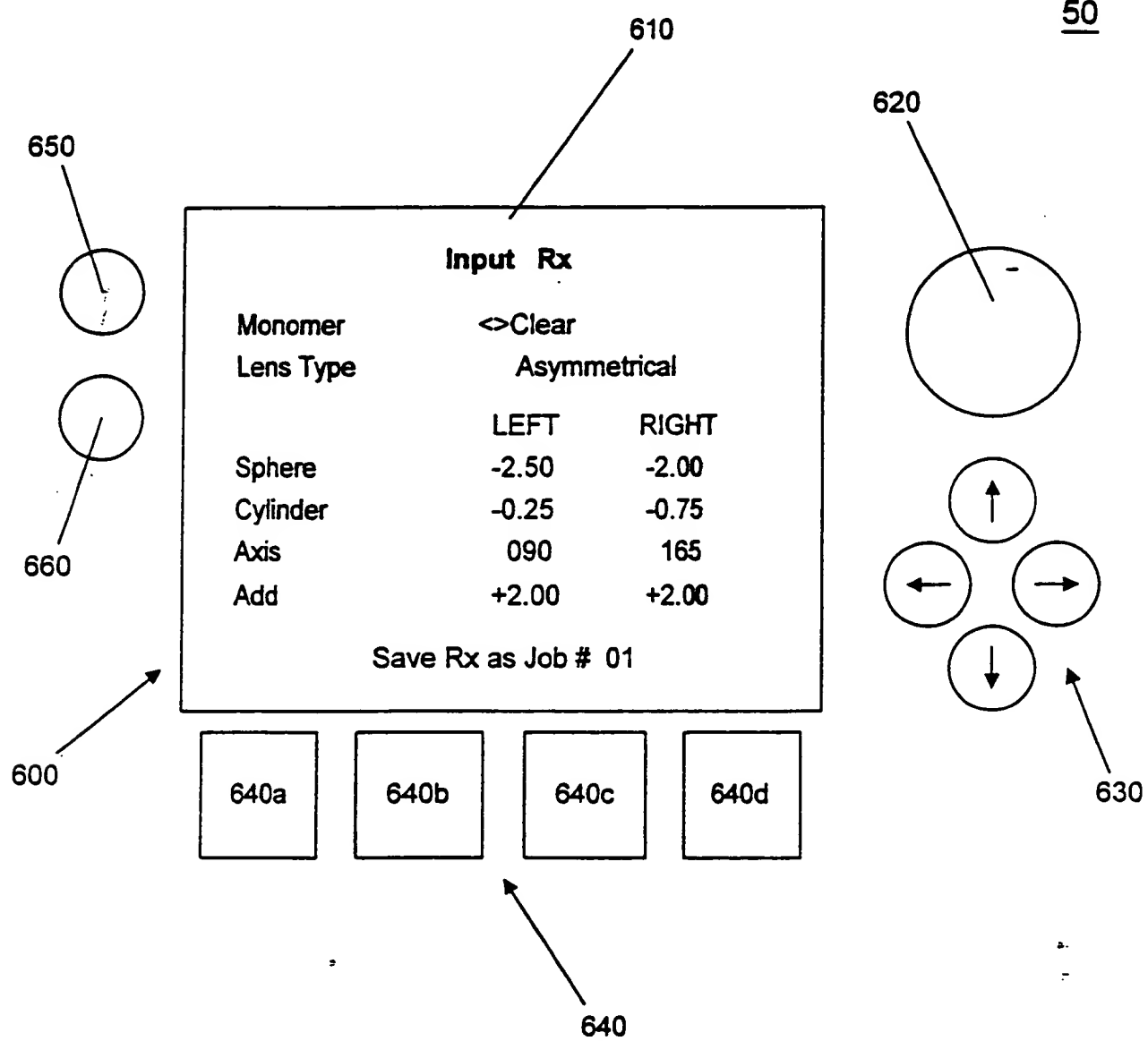


FIG. 18

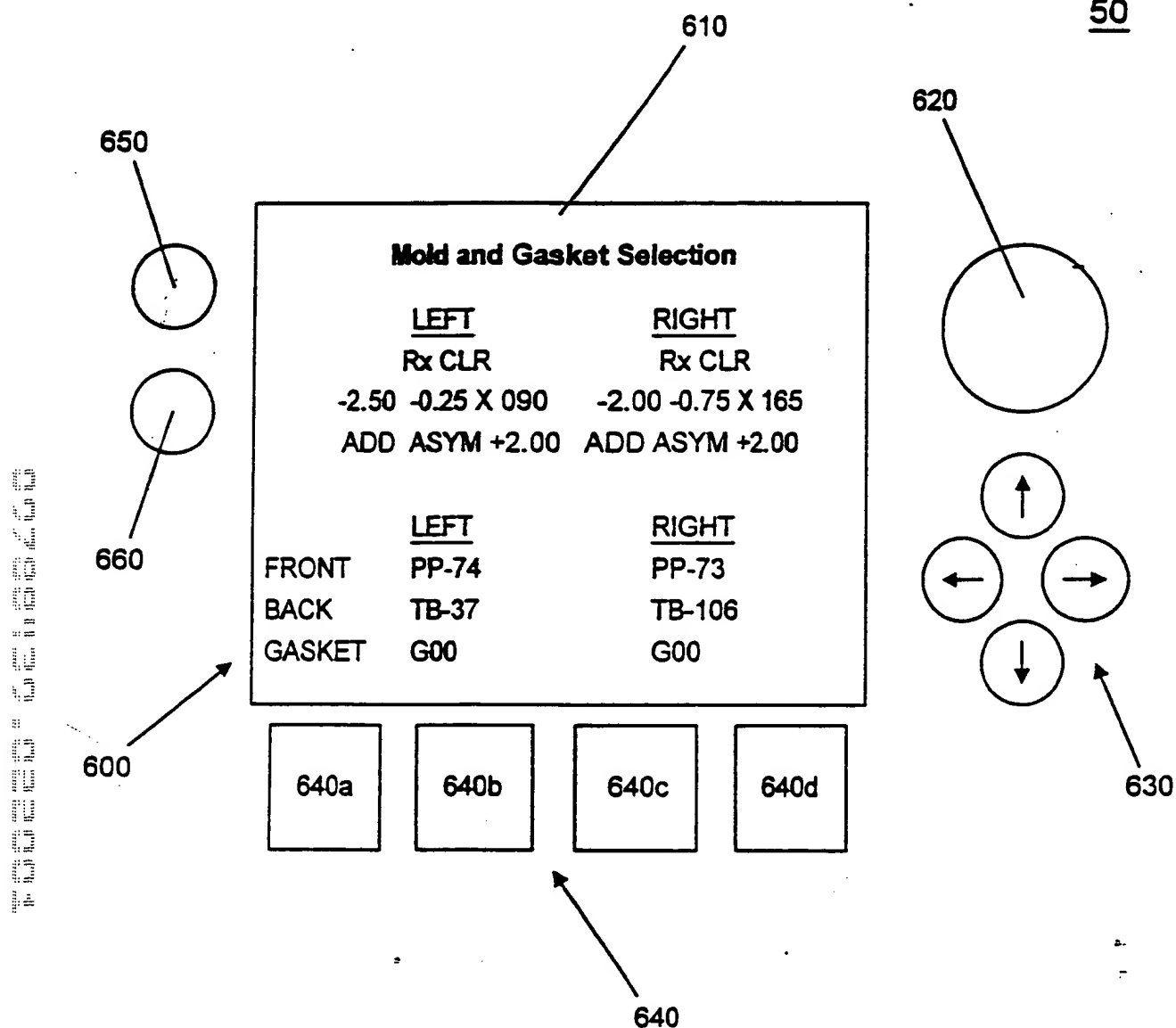


FIG. 19

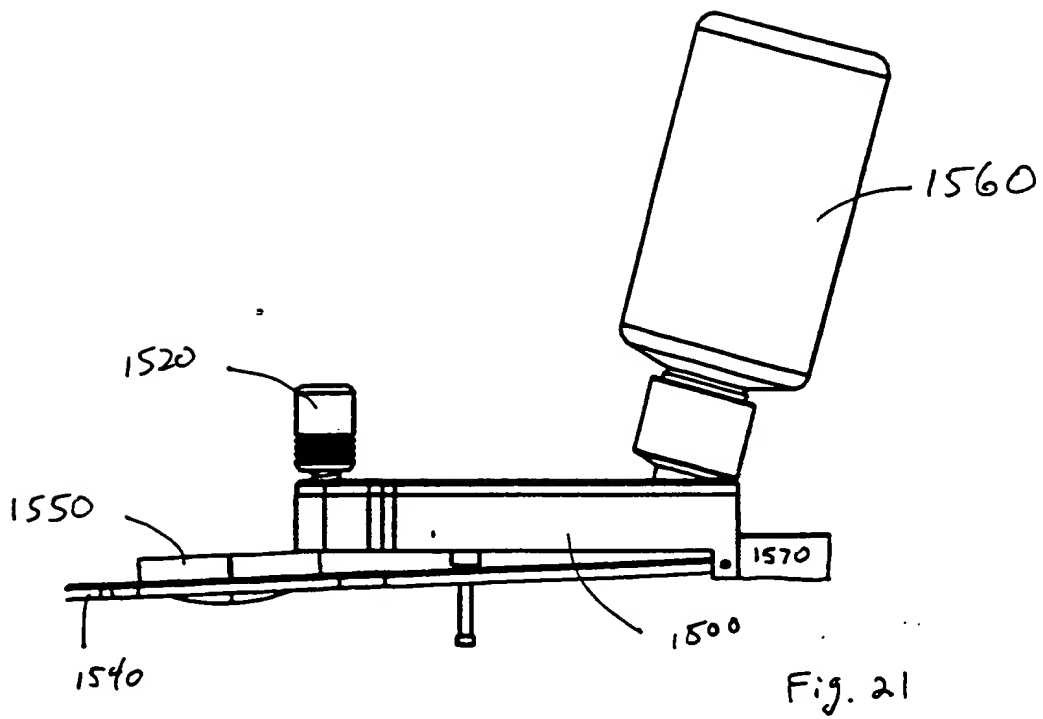
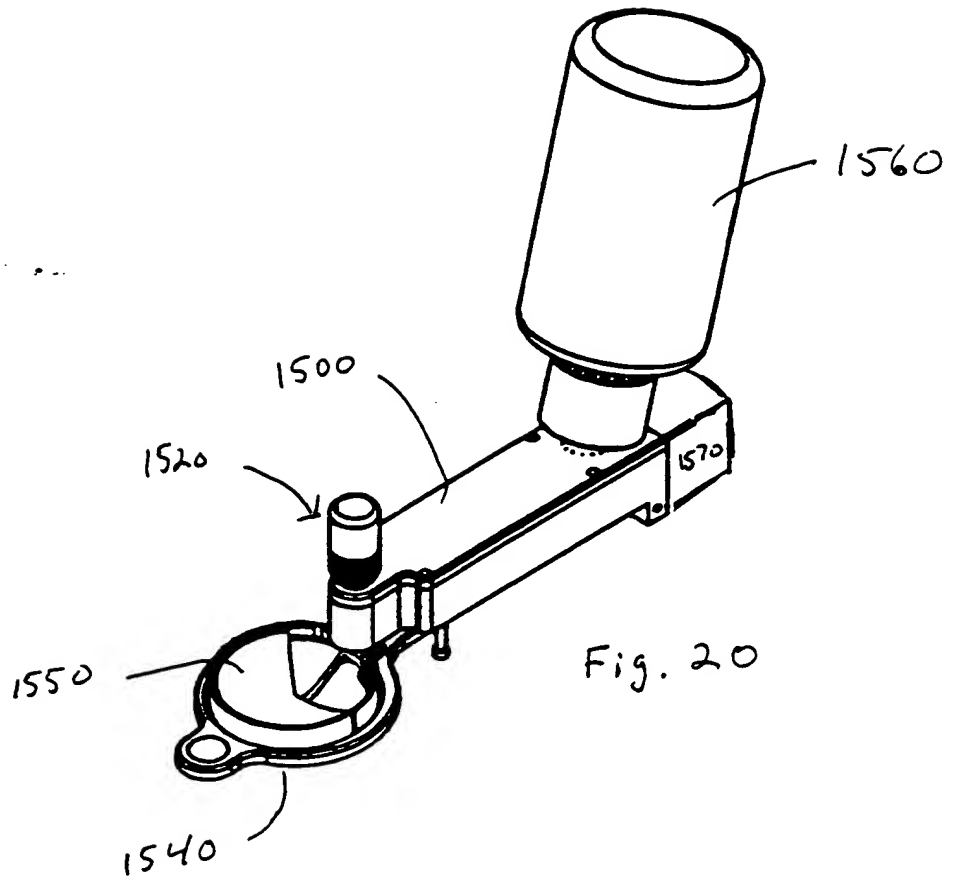


FIG. 22 is a cross-sectional view of the device in a closed position, showing the housing 1500 and the display 1502. The housing 1500 includes a front bezel 1504 and a back bezel 1506. The display 1502 is mounted on a substrate 1508 and includes a display area 1510 and a display frame 1512. The display frame 1512 is connected to the front bezel 1504 by a hinge 1514. The hinge 1514 includes a hinge pin 1516 and a hinge bracket 1518. The hinge bracket 1518 is connected to the front bezel 1504 by a hinge arm 1520. The hinge arm 1520 includes a hinge spring 1522 and a hinge stop 1524. The hinge stop 1524 is positioned to engage the display frame 1512 when the device is closed, thereby securing the display 1502 in a closed position. The display 1502 also includes a display cover 1526 and a display frame 1528. The display cover 1526 is connected to the display frame 1528 by a display hinge 1530. The display hinge 1530 includes a display hinge pin 1532 and a display hinge bracket 1534. The display hinge bracket 1534 is connected to the display frame 1528 by a display hinge arm 1536. The display hinge arm 1536 includes a display hinge spring 1538 and a display hinge stop 1540. The display hinge stop 1540 is positioned to engage the display cover 1526 when the device is closed, thereby securing the display 1502 in a closed position.

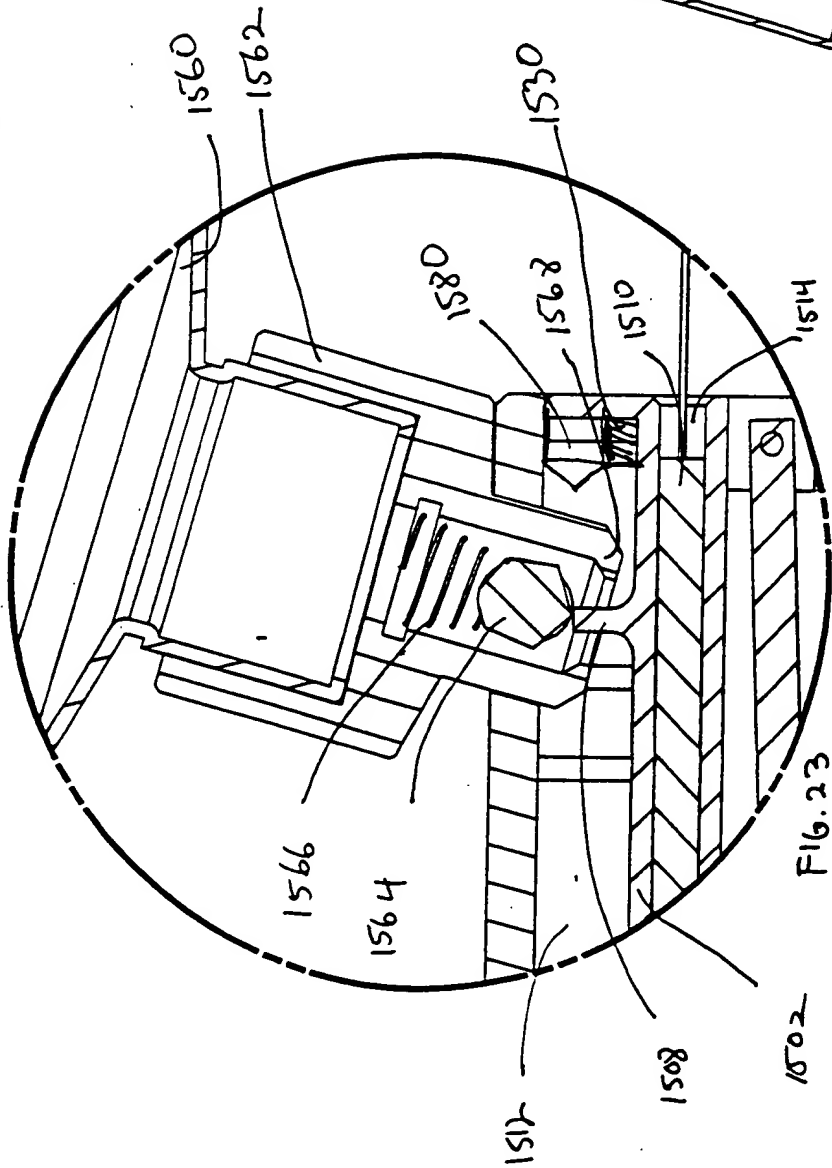


FIG. 23

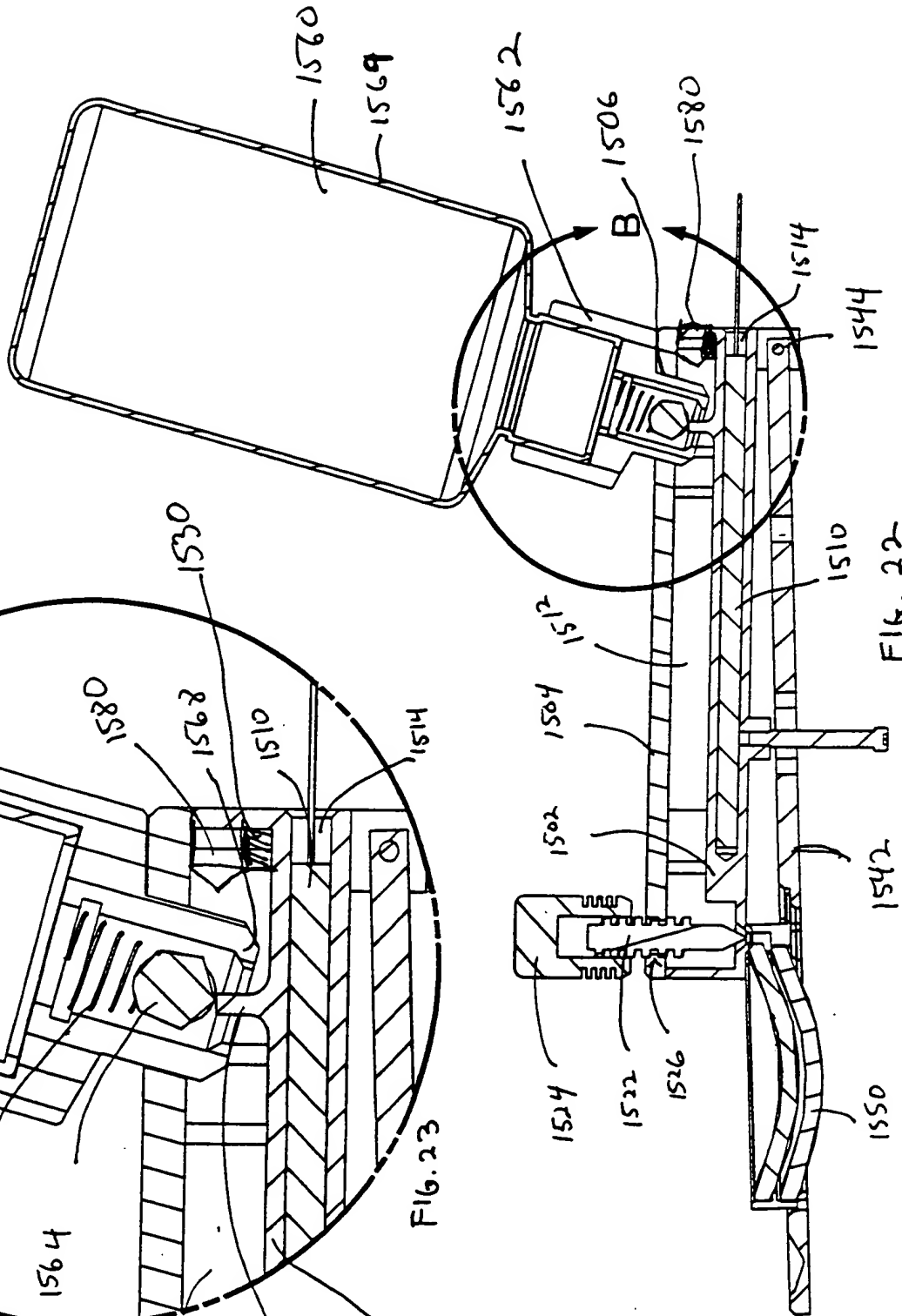


FIG. 22

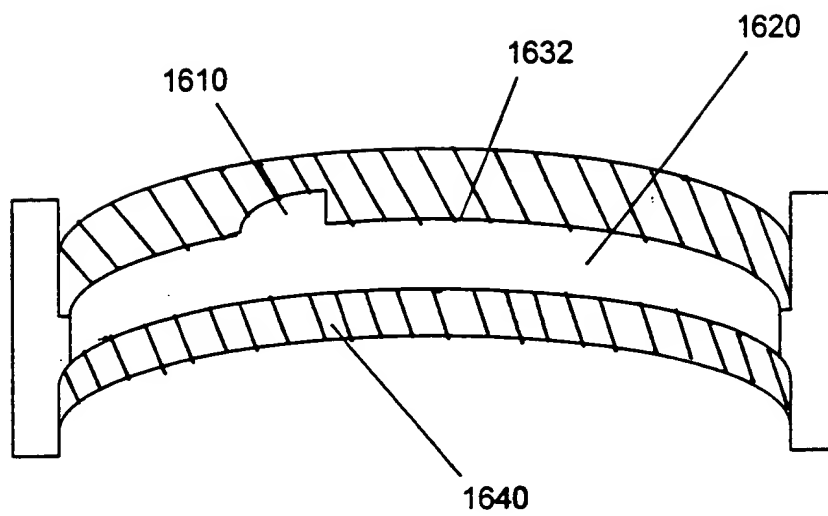


FIG. 24

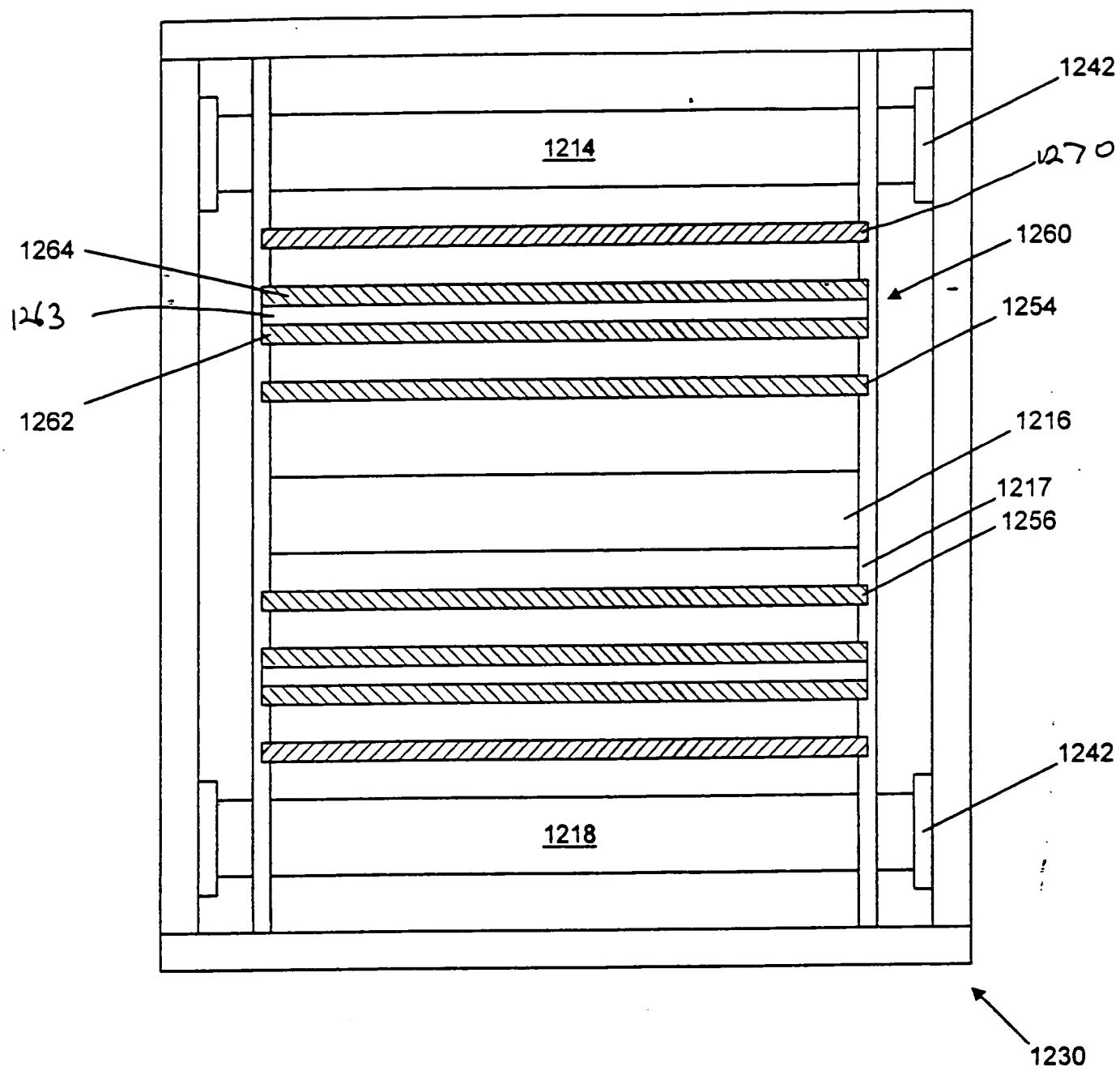


FIG. 25

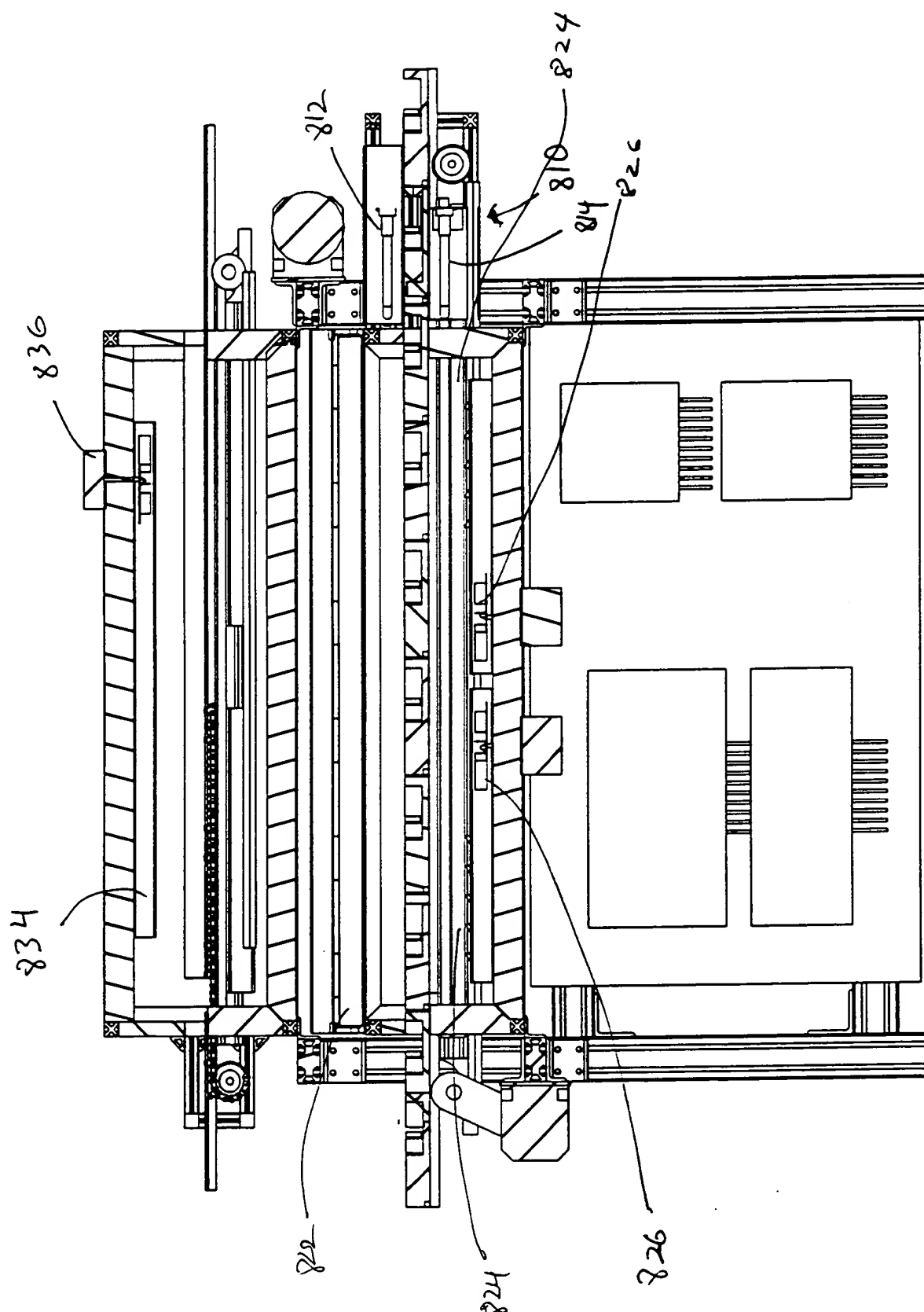


FIG 28

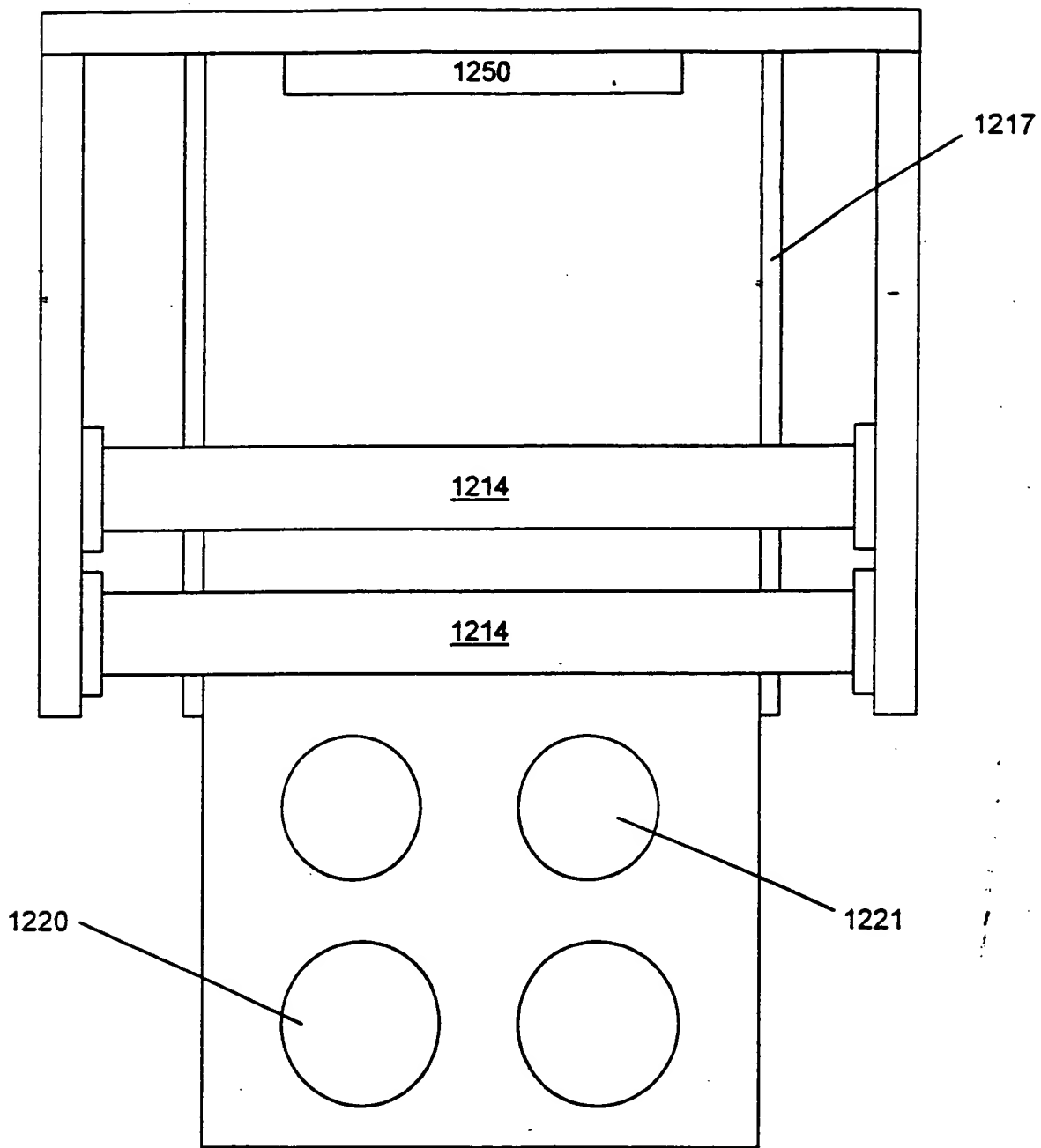


FIG. 26

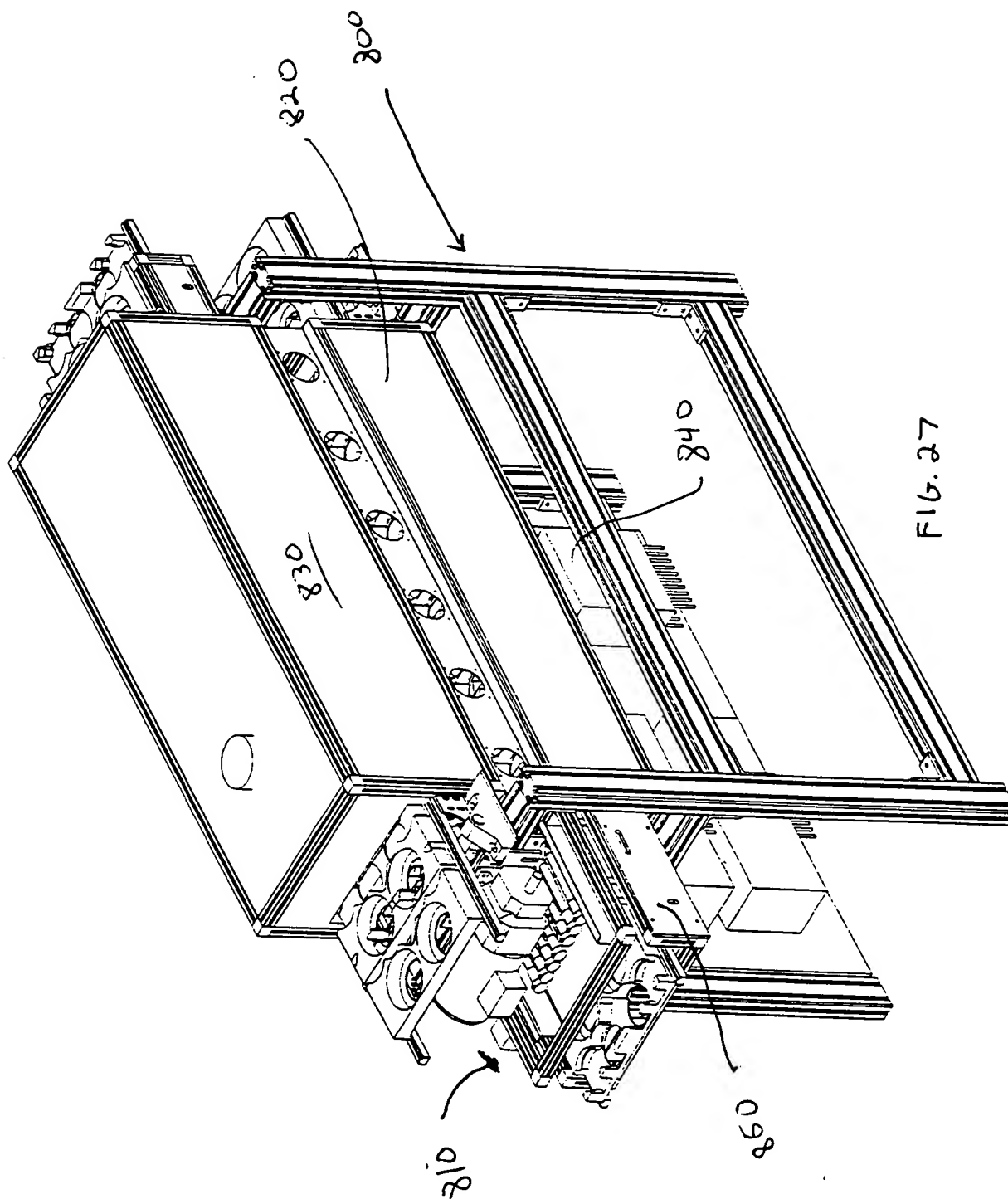


FIG. 27

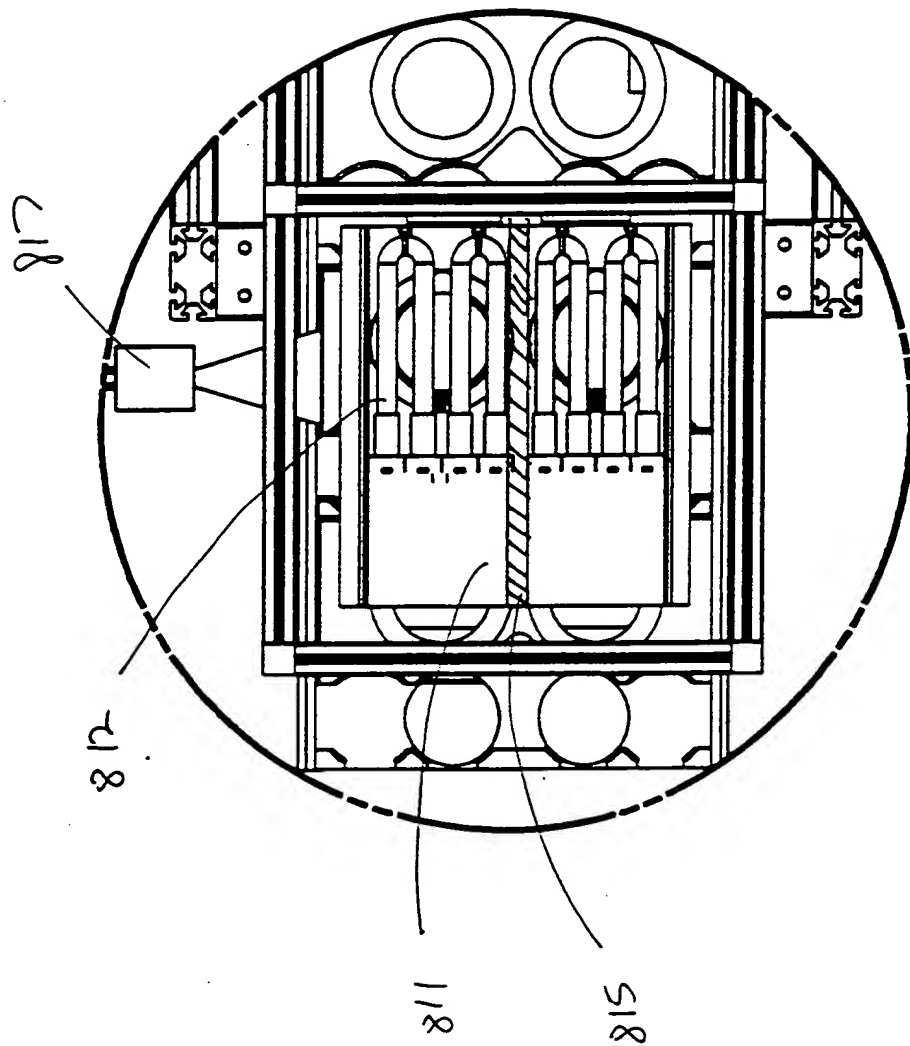


FIG. 29

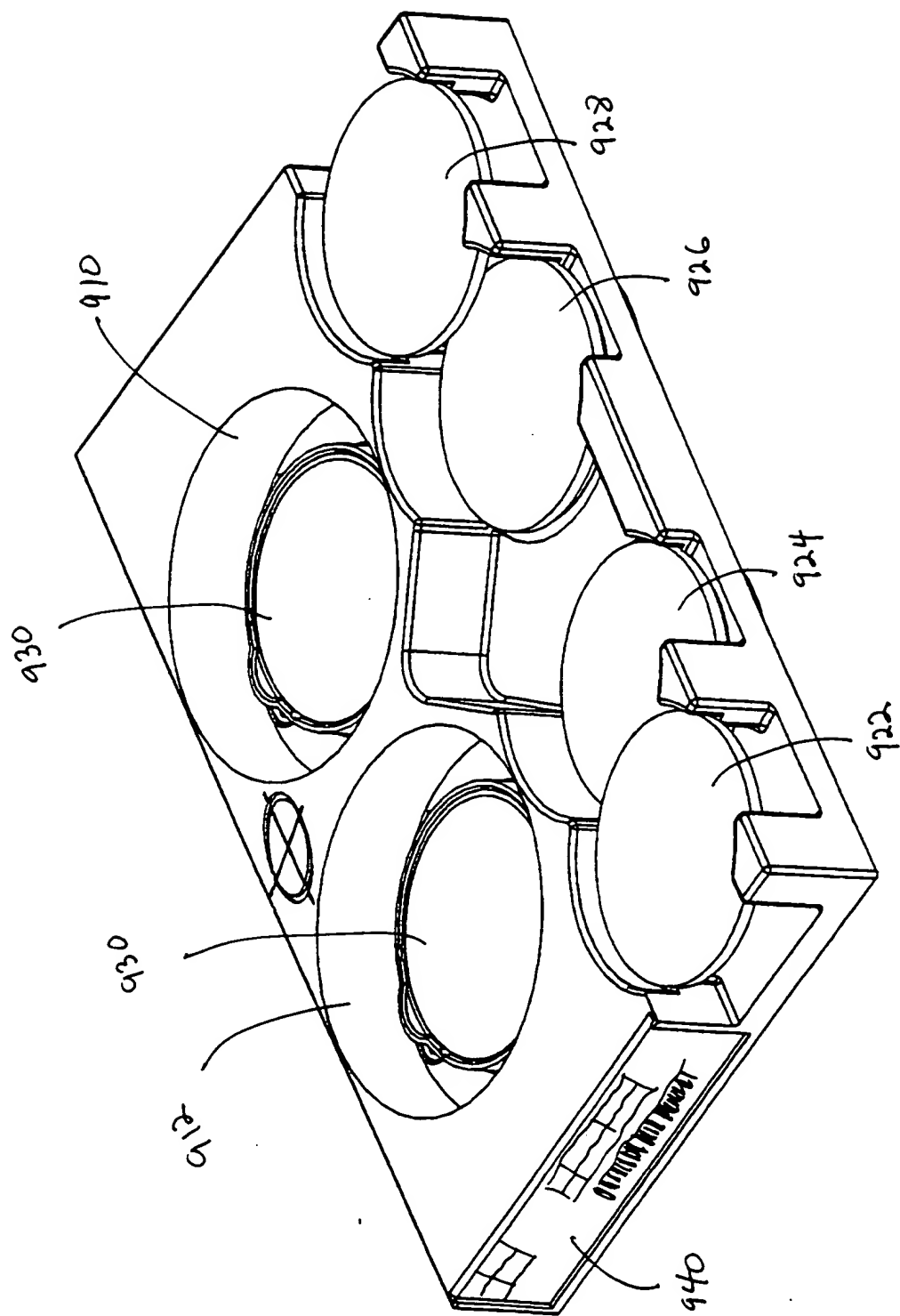


FIG. 30

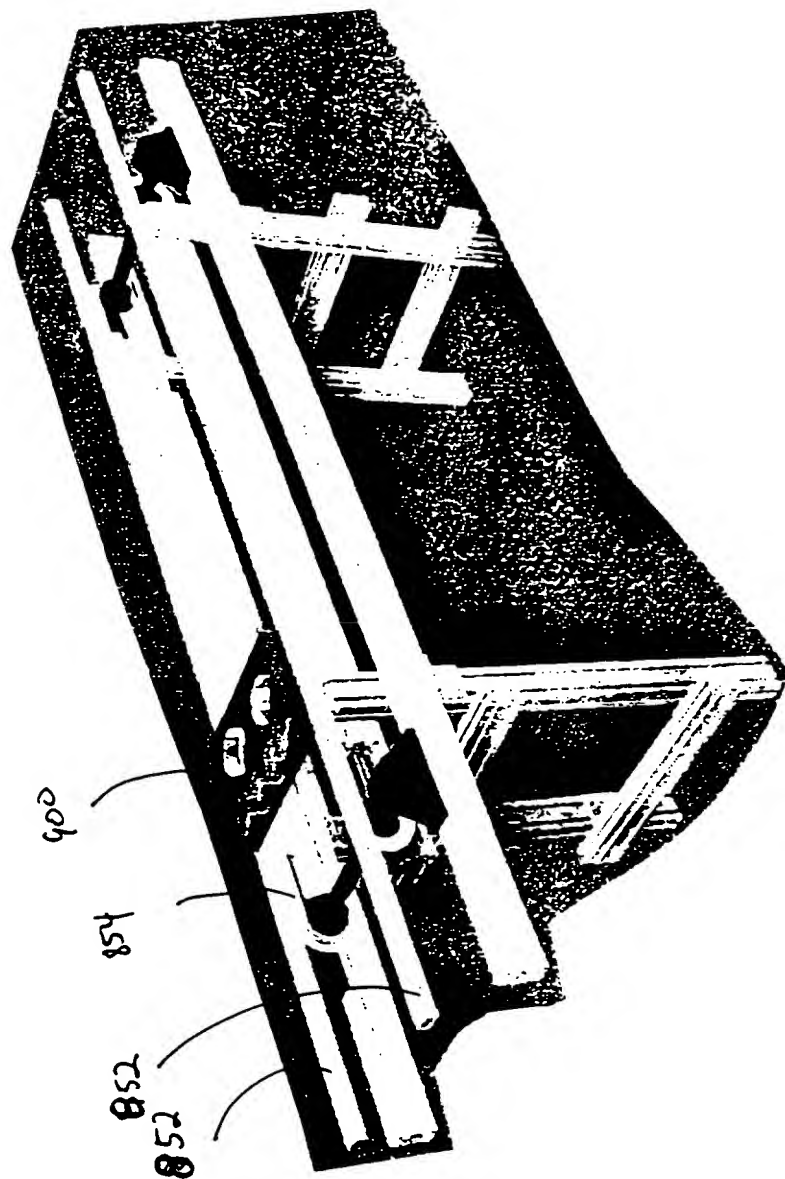


FIG. 31

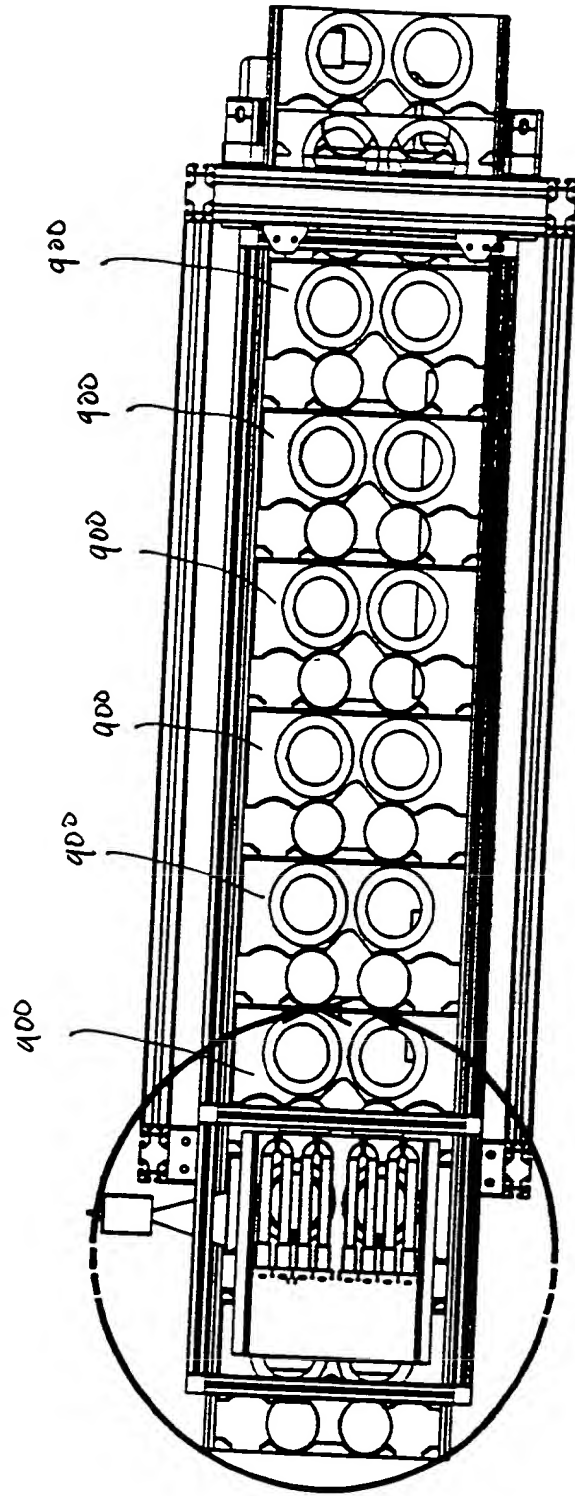
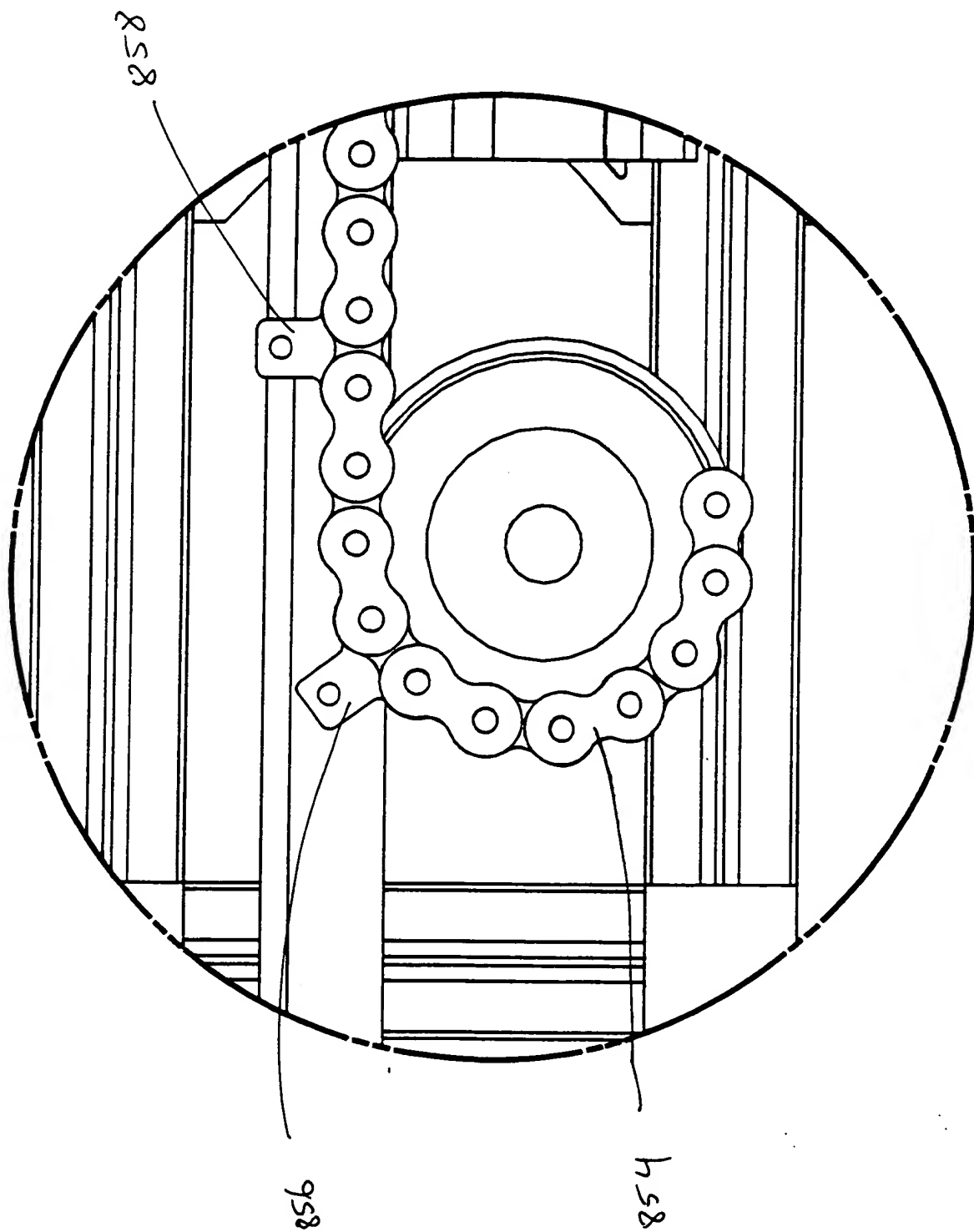


FIG. 32



F16. 33

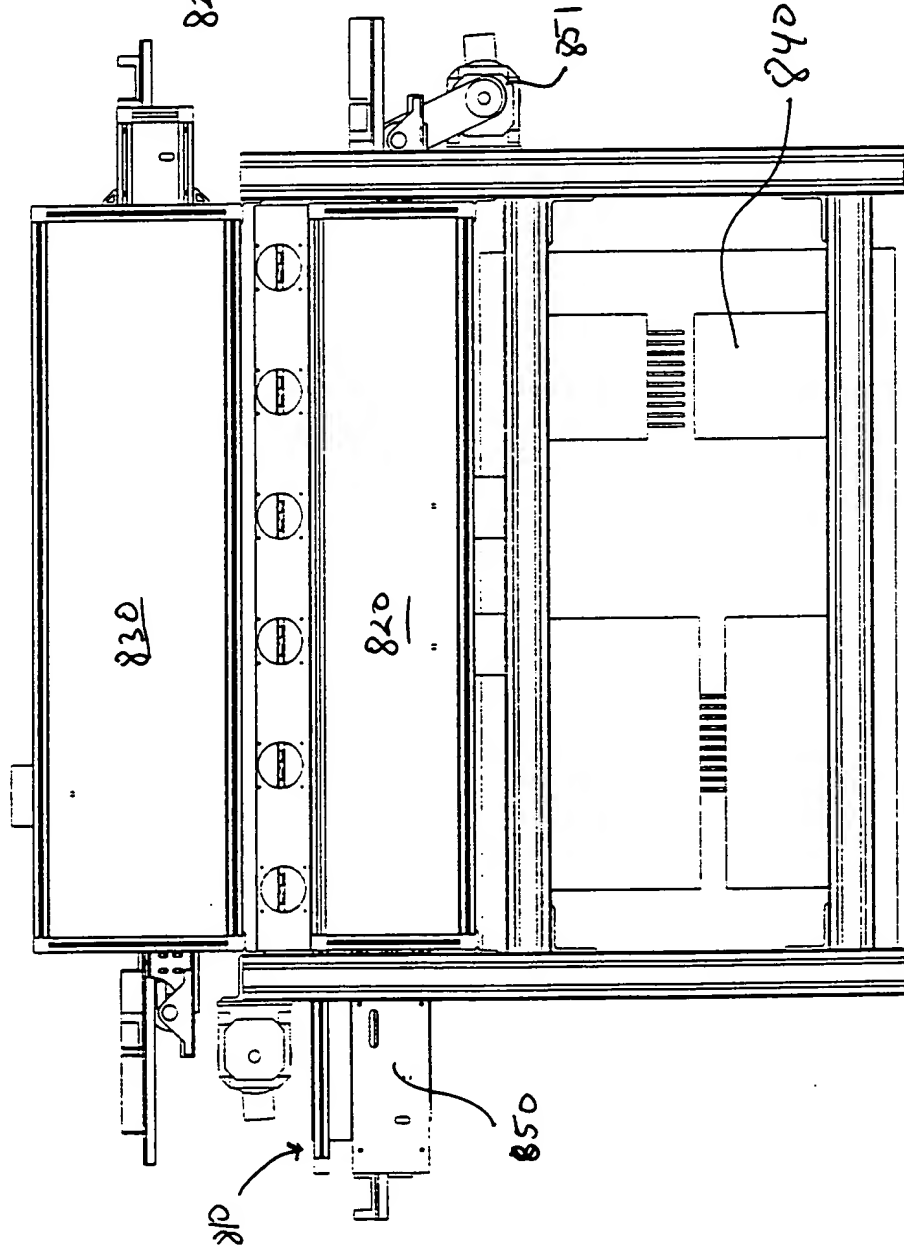


FIG. 34

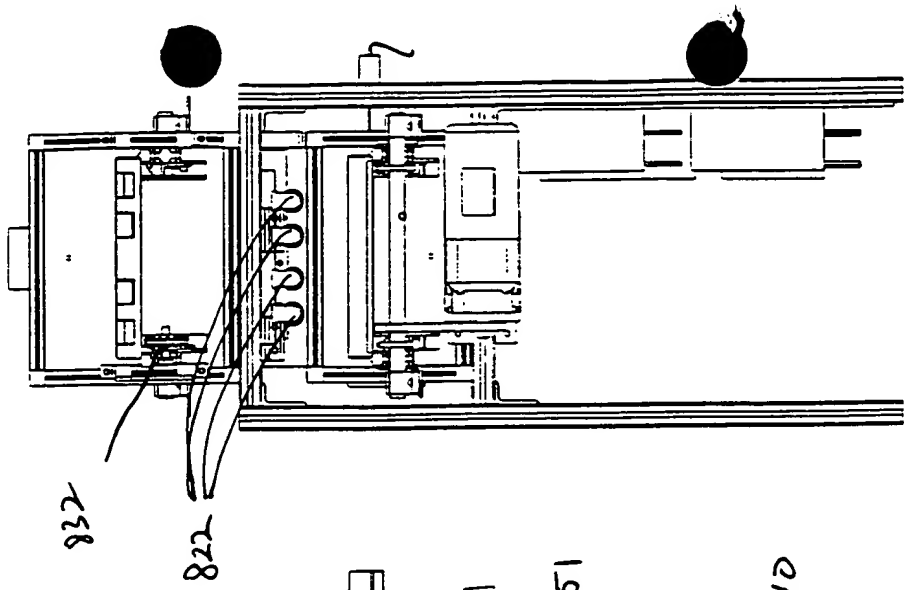


FIG. 35

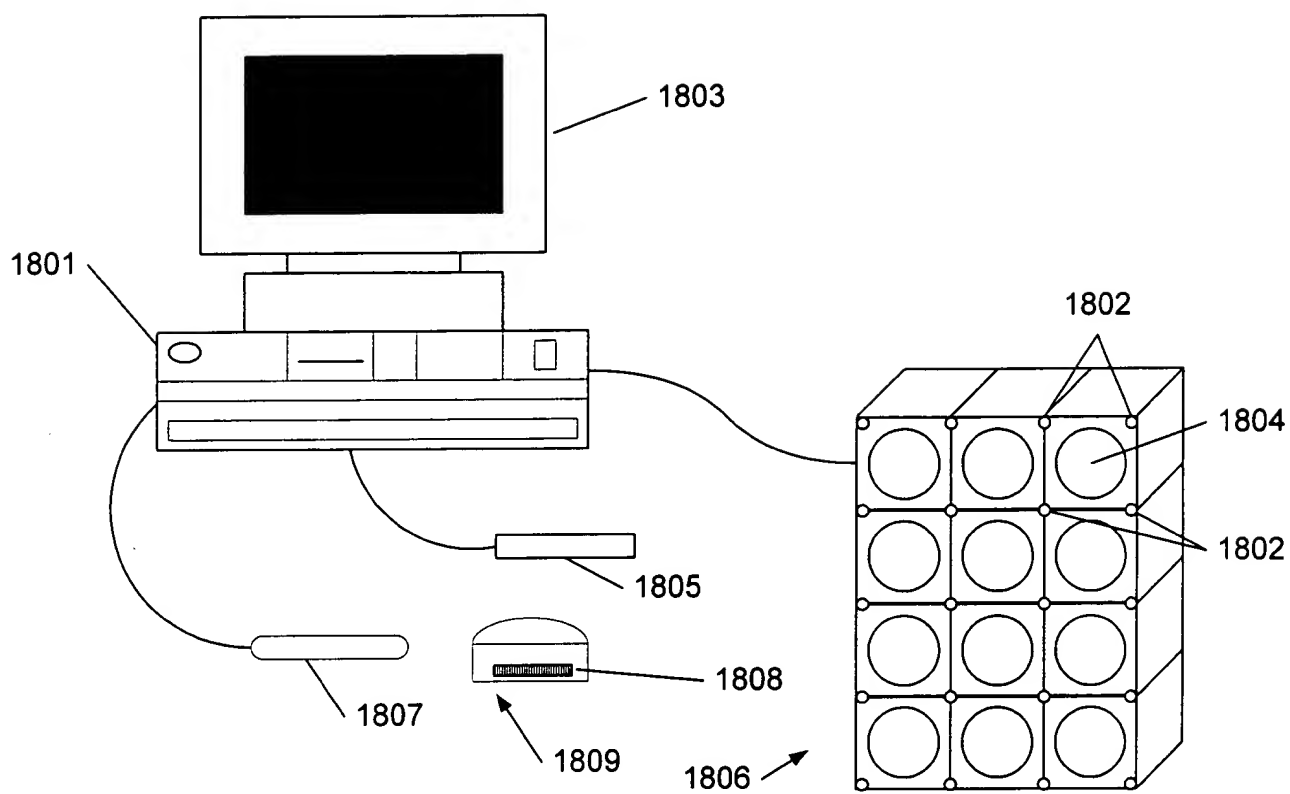
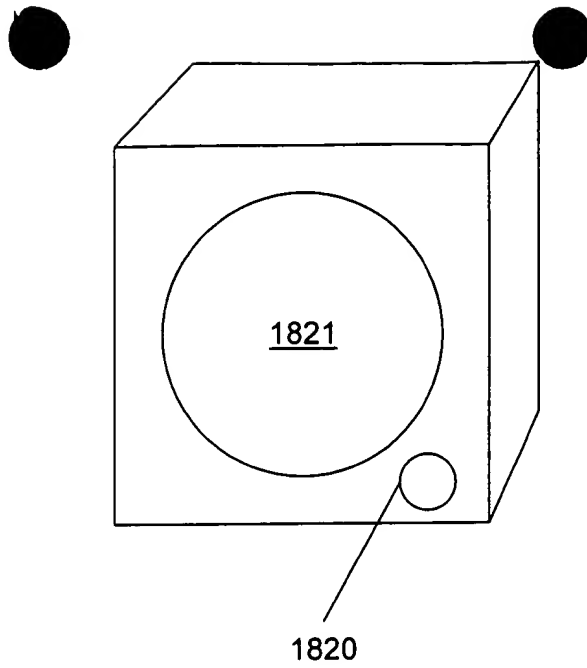
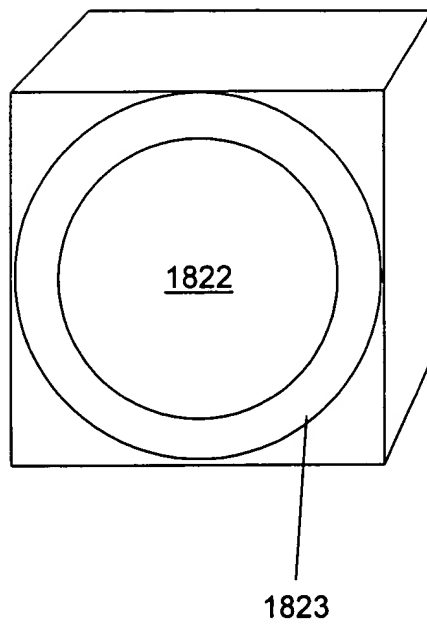


Fig.36



(a)



(b)

Fig. 37

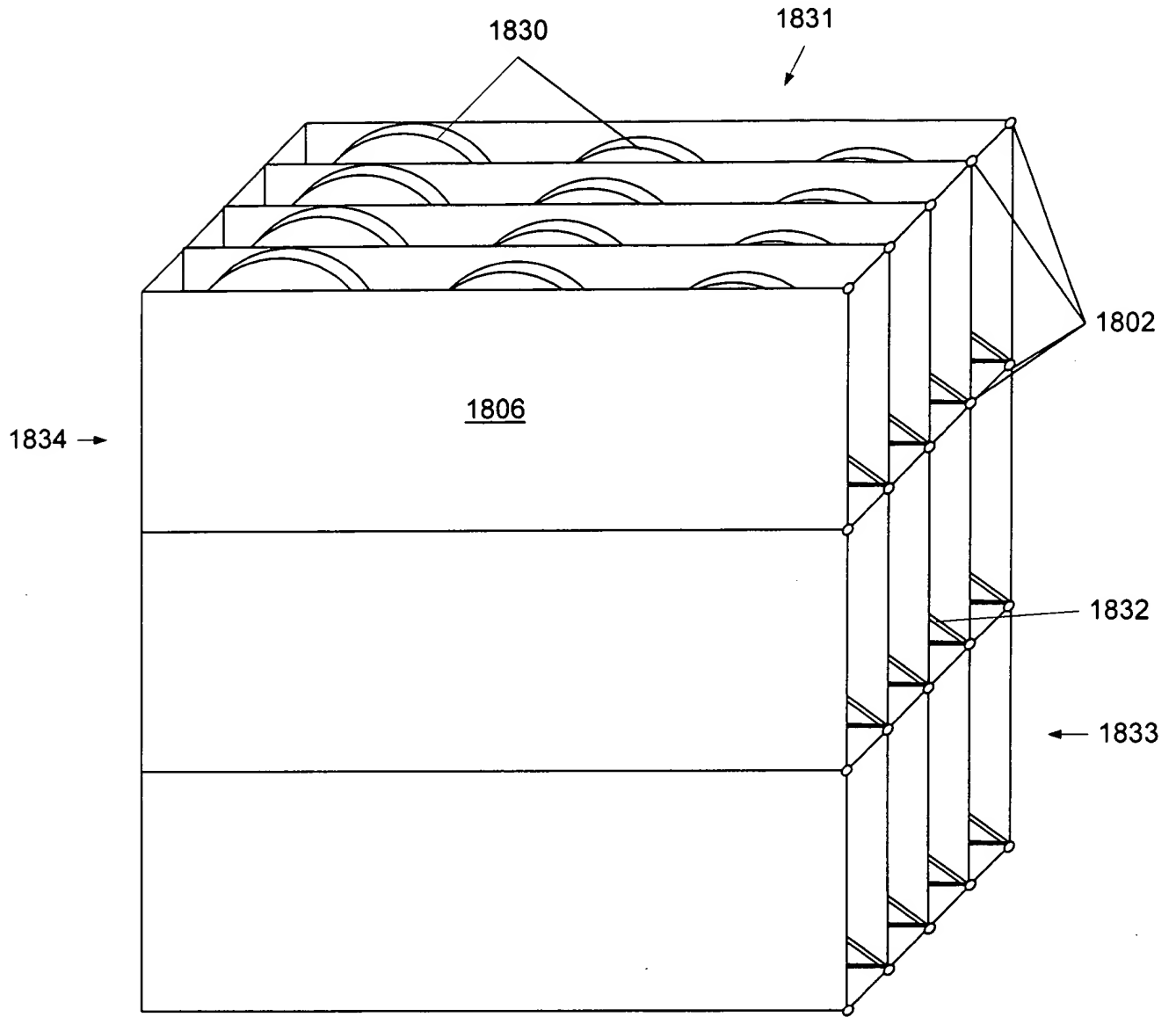


Fig. 38

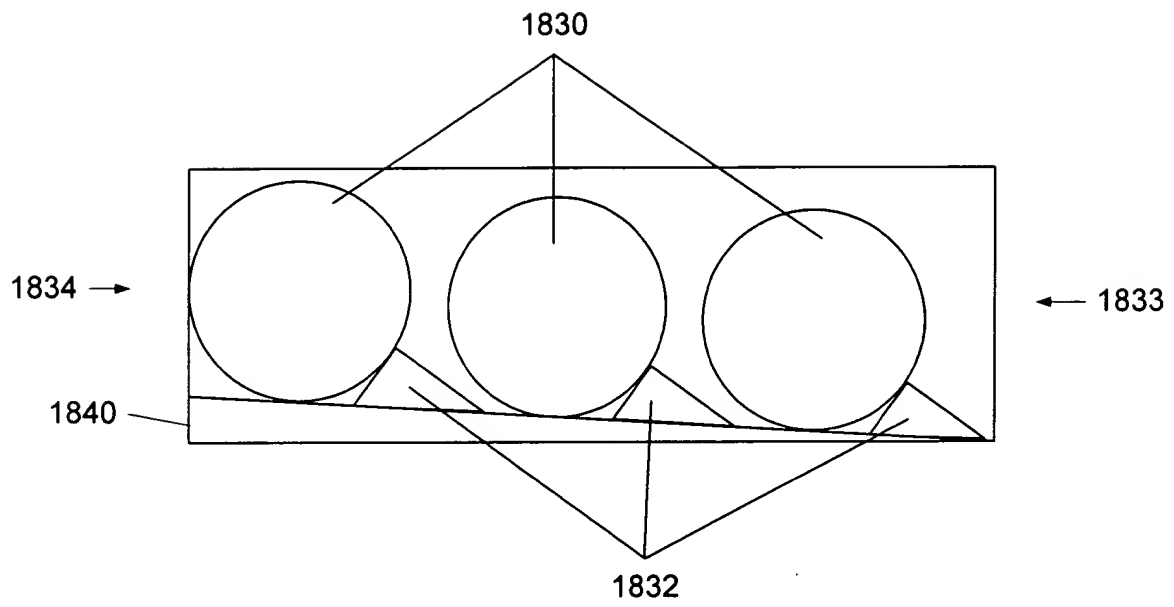


Fig. 39

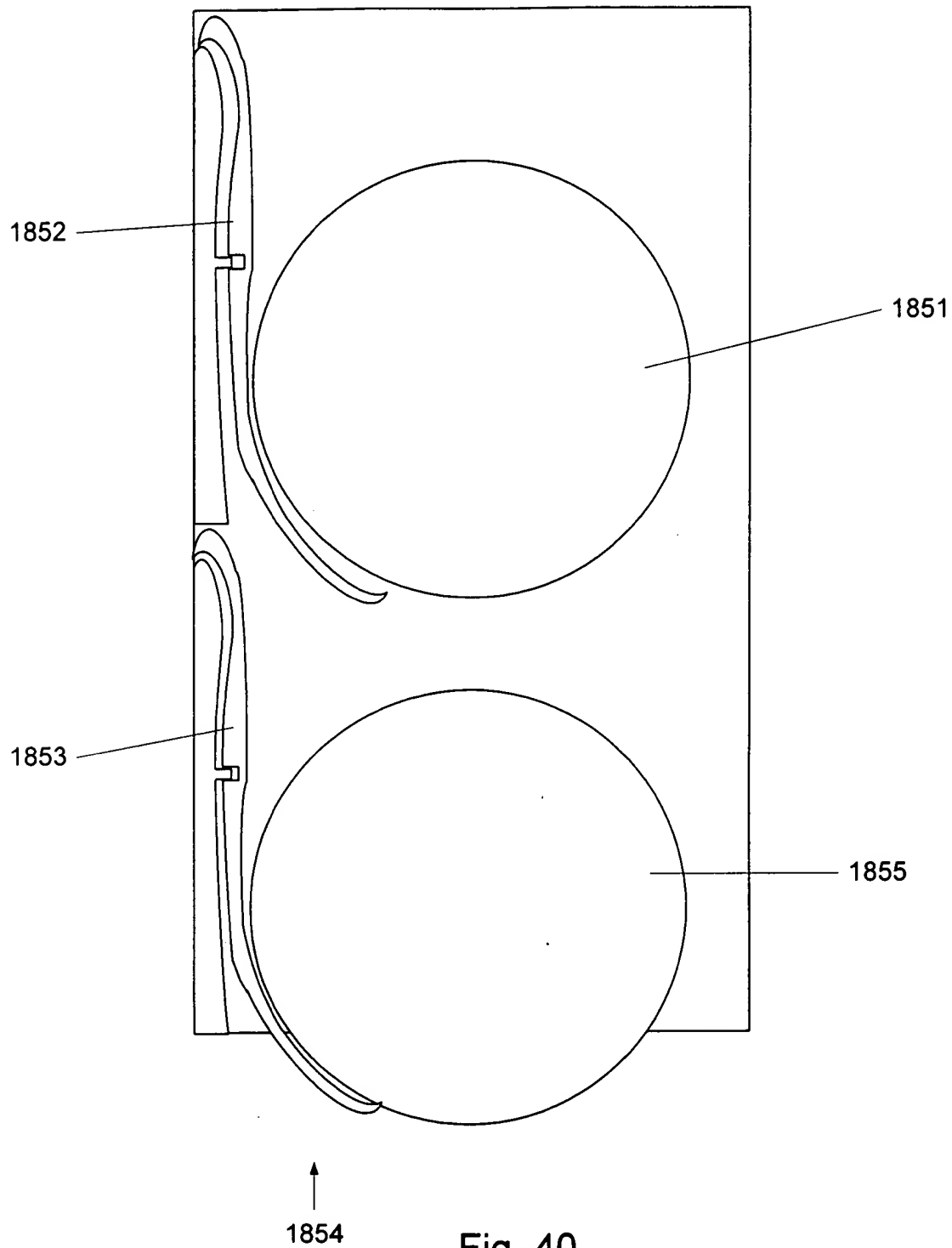


Fig. 40

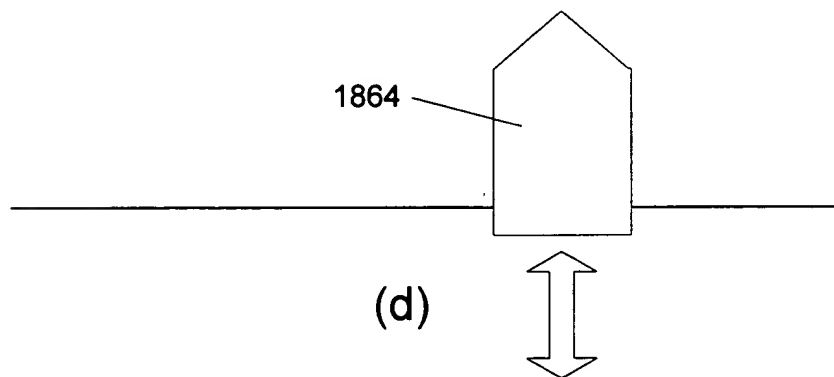
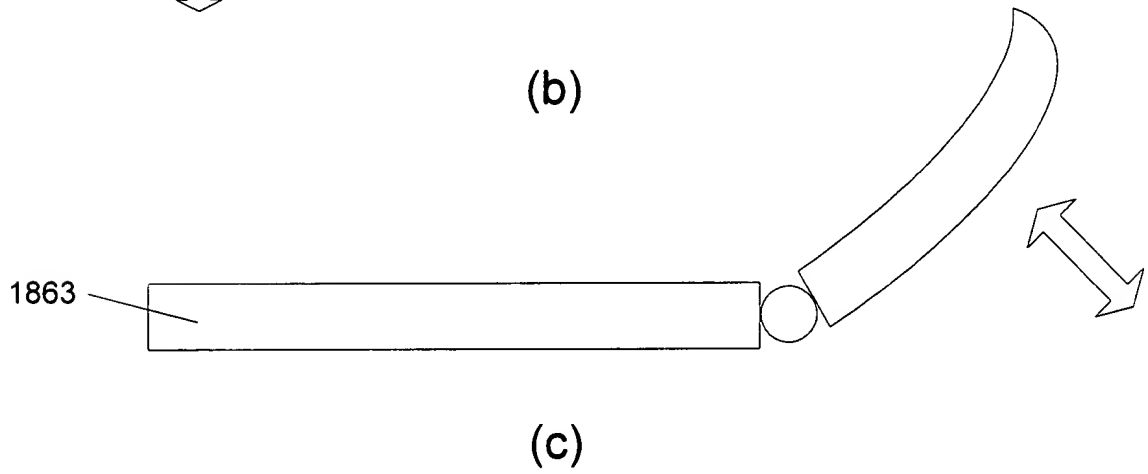
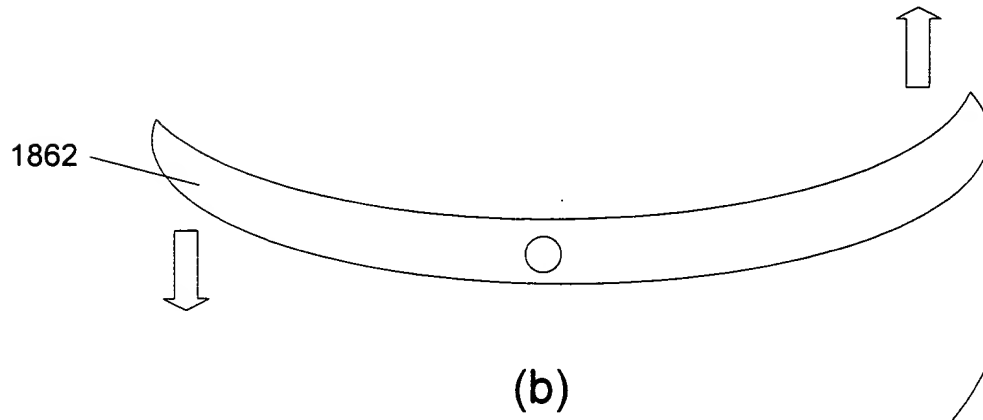
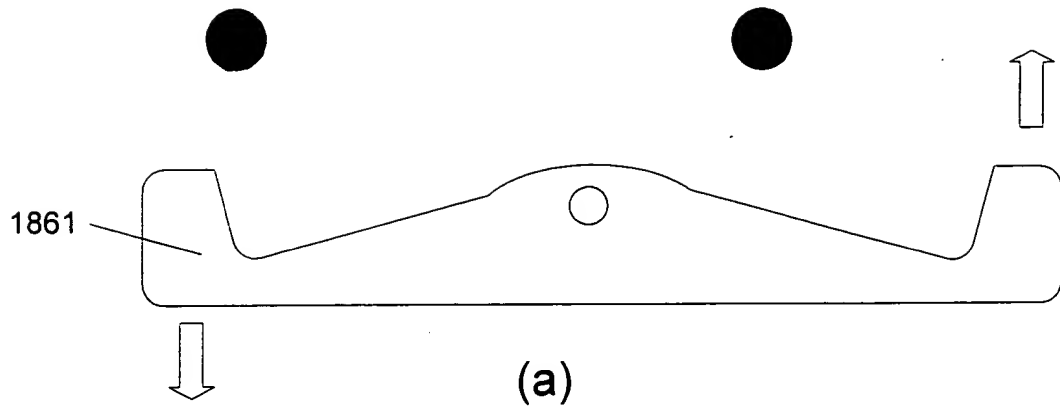


Fig. 41

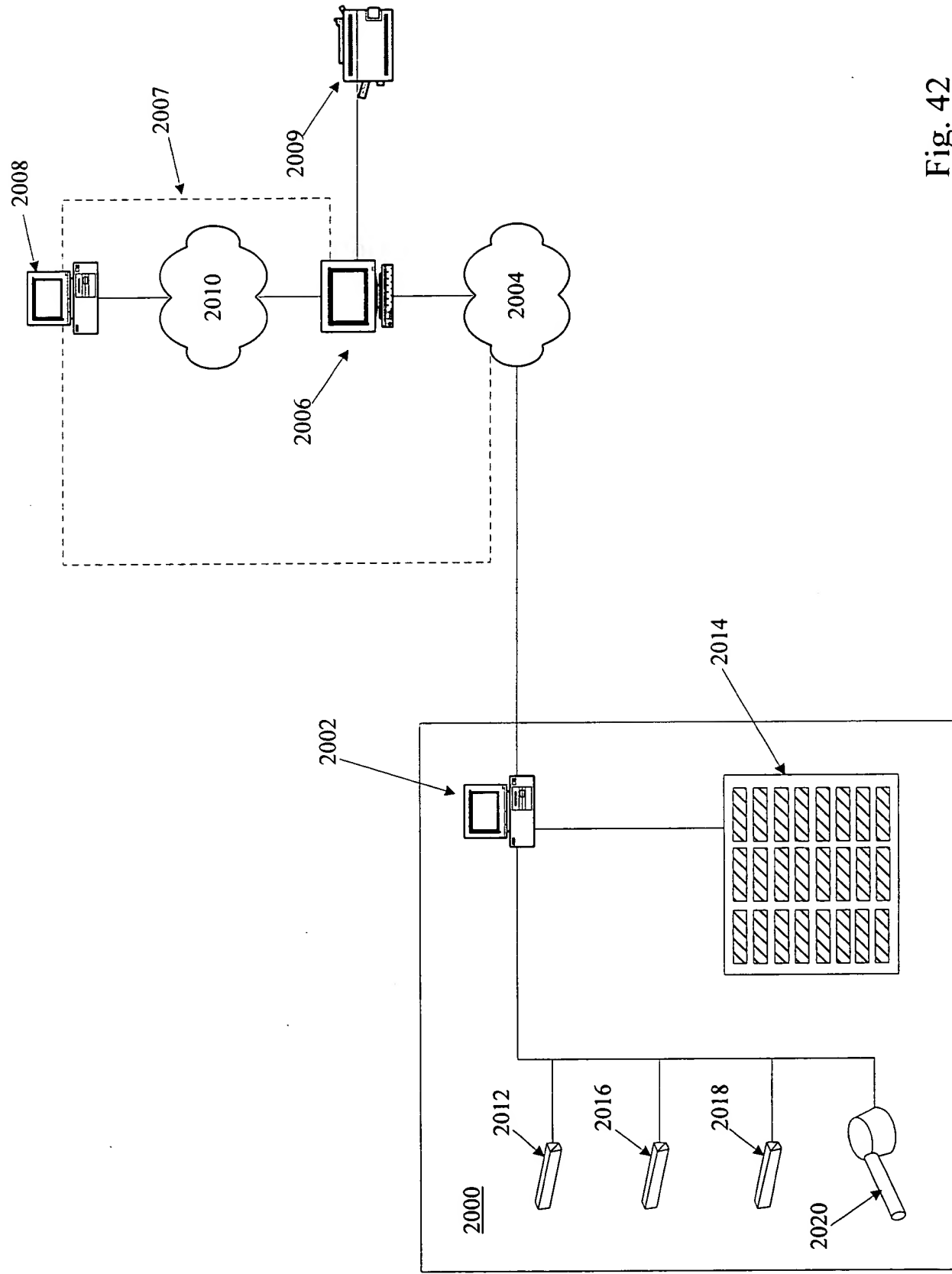


Fig. 42

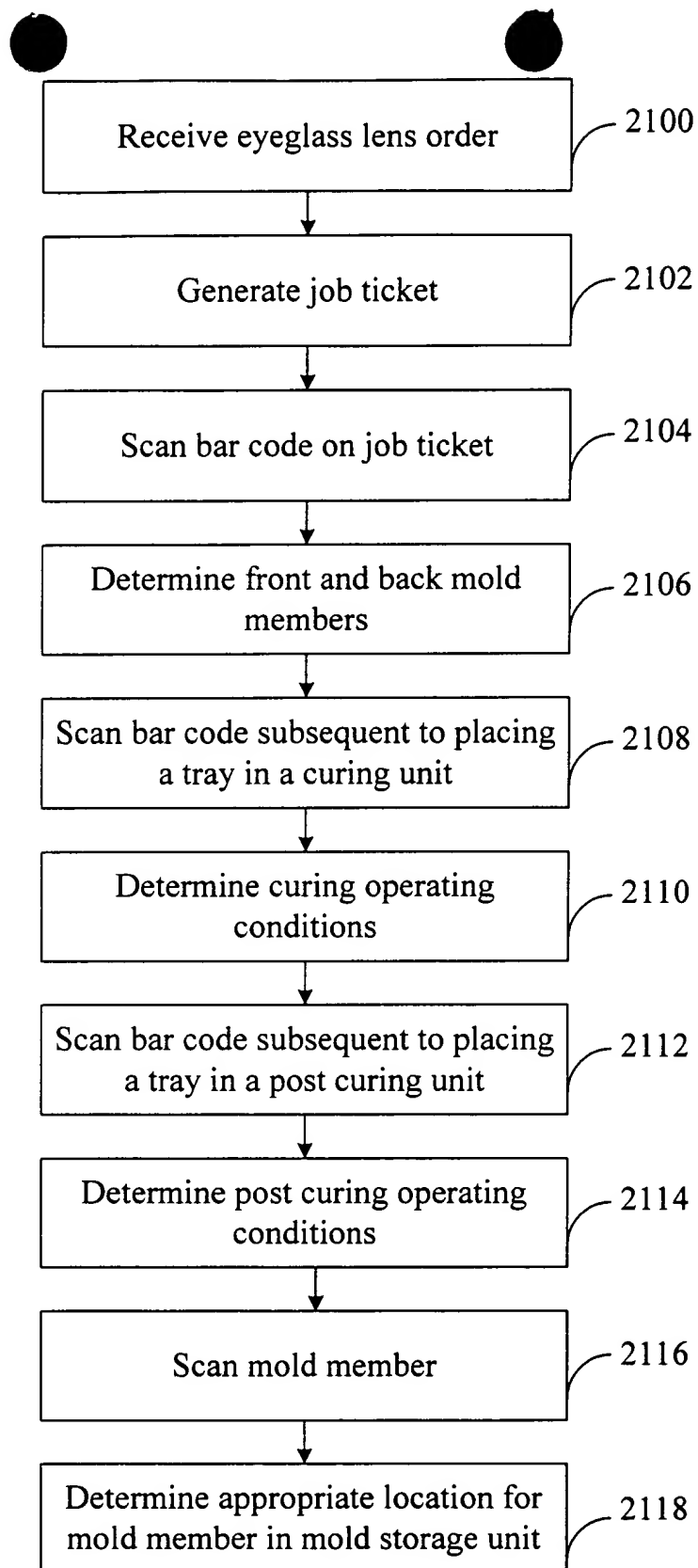


Fig. 43

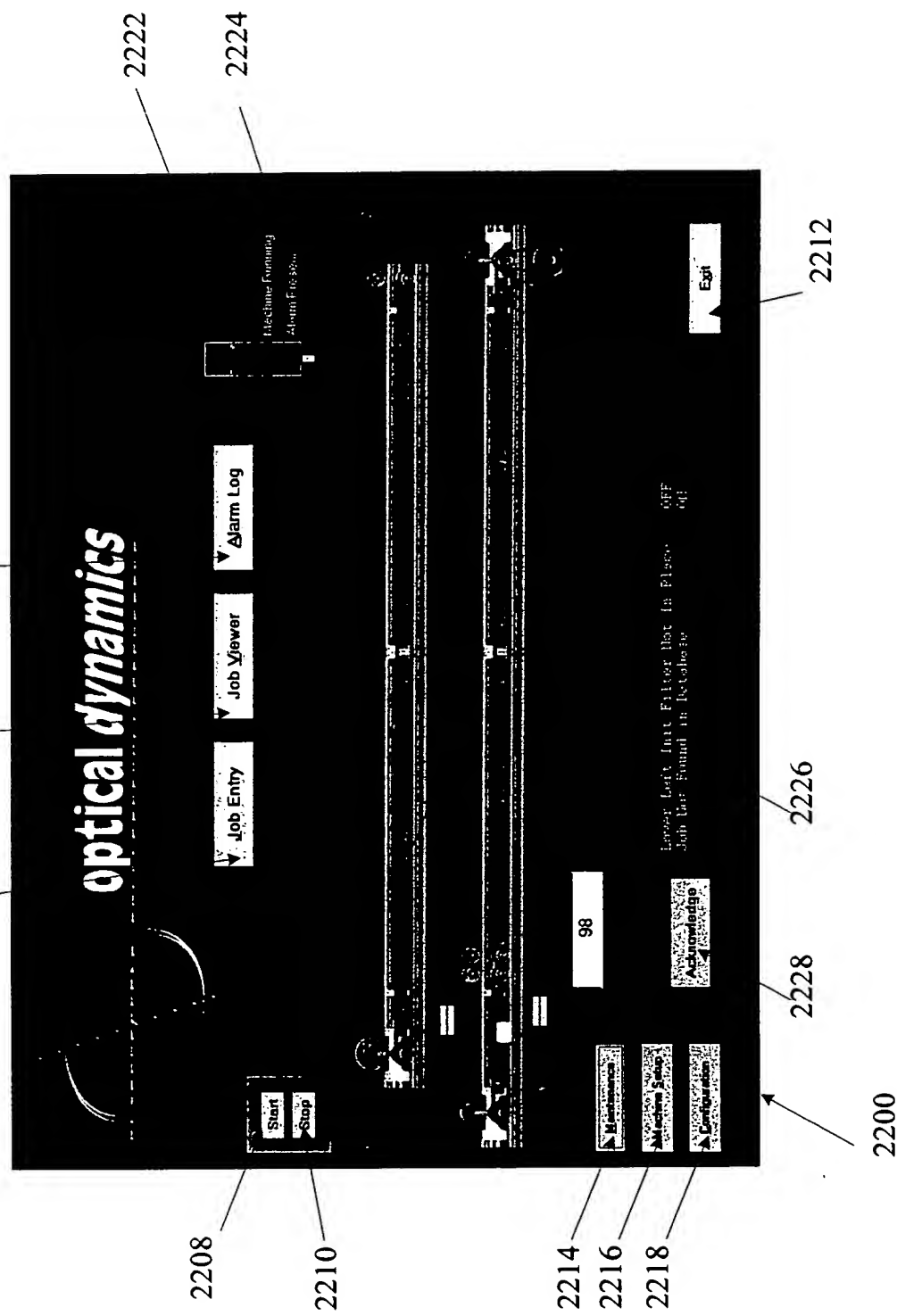


Fig. 44

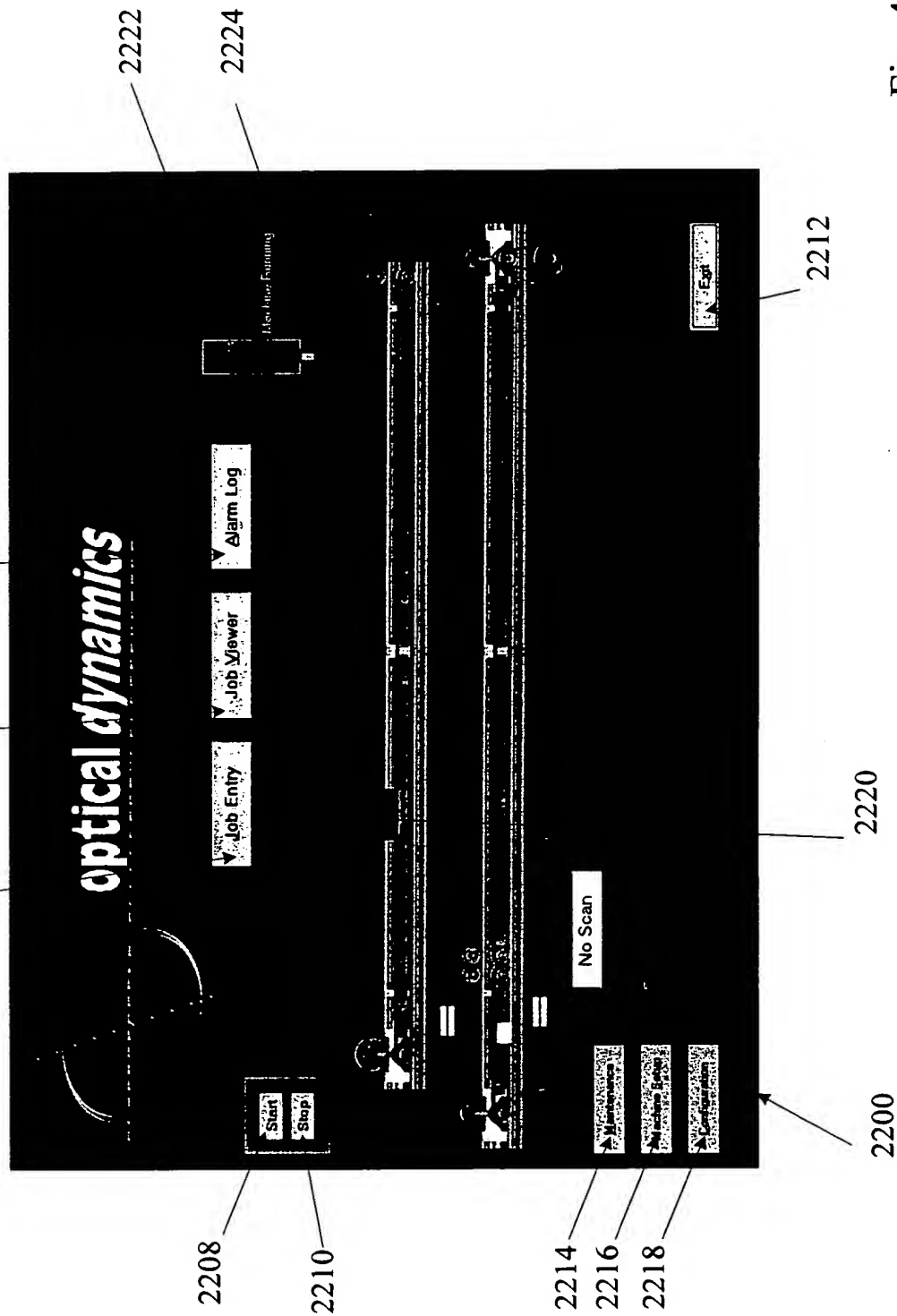


Fig. 45

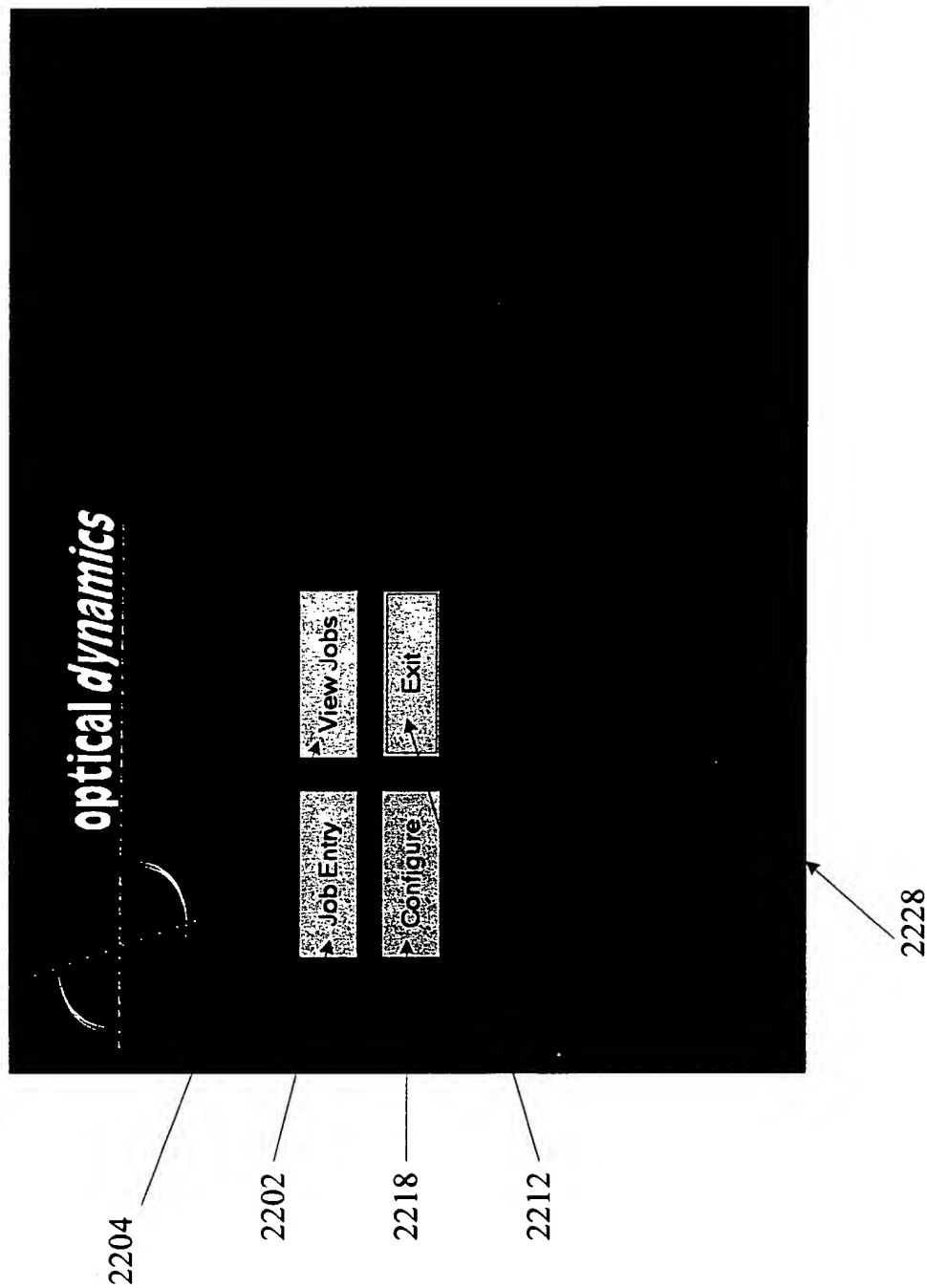


Fig. 46

Job Entry

Job # Patient Name 2232

Tray #

Bin Location

Priority ☐ Normal ☐ Re-Work ☐

Job Type ☐ Right & Left Lens ☐ Right Lens Only ☐ Left Lens Only

Lens Type ☐ Aspheric - Single Vision ☐ Flat Top ☐ Paradigm Progressive ☐

Monomer/Tint ☐ Clear ☐ Clear w/ Tint ☐ Grey ☐

Right Eye Sphere Cylinder

Left Eye Sphere Cylinder

2234 2236 2238 2240 2230

Fig. 47

Job Viewer

2244

LMS Job #

2246

Patient

Entry Date

Lens Type

Monomer

Bin Location

Rx

Left

Right

Power

Right

Cylinder

Right

Axis

Right

Add

Right

Molds

Left

Right

Front

Right

Back

Right

Gasket

Right

Filter

Right

Recipe

Right

Transposed

Re-Print

Close

Fig. 48

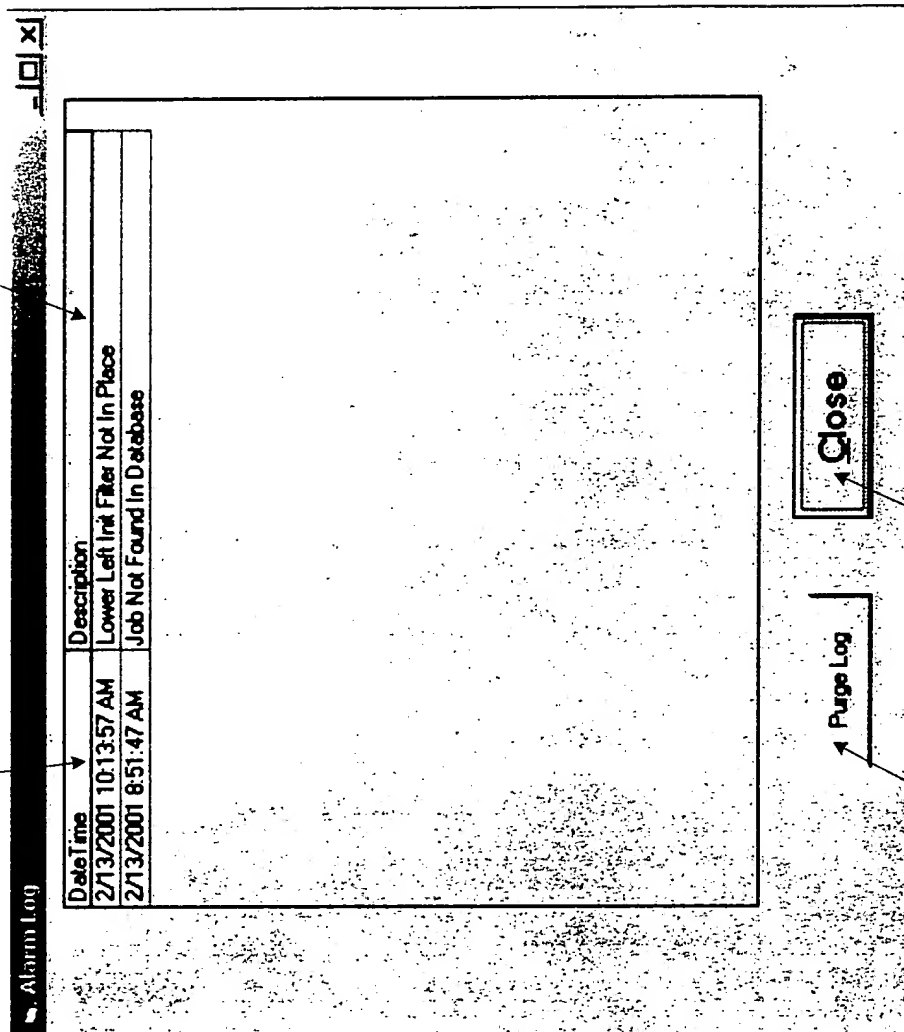


Fig. 49

Maintenance

Temperatures

Post-Cure Chamber 195.3

Anneal Chamber 217.4

On Time (min) 289.93

%

Reset

On Time (min) 254.73

%

Reset

Current Draws

Upper Left Init Lights 0.00

Upper Right Init Lights 0.00

Lower Left Init Lights 0.00

Lower Right Init Lights 0.00

Rear Post-Cure Lights 4.60

Front Post-Cure Lights 3.62

Digital Inputs, Slot 3

- Start PushButton
- Stop PushButton
- Anneal Conv Encoder
- Top Lft Filtr In Prox
- Top Rgt Filtr In Prox
- Bot Lft Filtr In Prox
- Bot Rgt Filtr In Prox
- Top Lft Filtr Out Prox
- Top Rgt Filtr Out Prox
- Bot Lft Filtr Out Prox
- Bot Rgt Filtr Out Prox
- Air Pressure OK
- Bot HiTemp Sens OK
- Top HiTemp Sens OK
- Init Conv Encoder
- Post-Cure Conv Encdr

Digital Inputs, Slot 4

- Front Post-Cure Lgt Flt
- Rear Post-Cure Lgt Flt
- Init Drv IOC Flt
- Post-Cure Drv IOC Flt
- Anneal Drv IOC Flt
- Tray Clear @ Xfer PE
- PostCure FanOvrid OK
- Anneal FanOvrid OK
- Init Drv Ovrid OK
- Anneal Drv Ovrid OK
- PostCure DrvOvrid OK
- Post-Cure Drive Alarm
- Init Drive Alarm
- Anneal Drive Alarm
- Bot Tray Present PE
- Top Tray Present PE

Digital Inputs, Slot 5

- E-Stop #1
- E-Stop #2
- Spare
- Spare
- Spare
- Spare
- Spare
- Lt Wait Cyl Ext'd
- Lt Wait Cyl Ret'd
- Rgt Wait Cyl Ext'd
- Rgt Wait Cyl Ret'd
- Lt Init Cyl Ext'd
- Lt Init Cyl Ret'd
- Rgt Init Cyl Ext'd
- Rgt Init Cyl Ret'd

Lamp Life
Remaining

Top Init

499.77

Bot Init

499.90

PostCure

493.70

More

Close

Fig. 50

2268

2274

Machine Setup

Anneal Conveyor

High Temp Alarm Limit

Temperature Setpoint

Low Temp Alarm Limit

Post-Cure Conveyor

High Temp Alarm Limit

Temperature Setpoint

Low Temp Alarm Limit

Initialization Lights

High Current Alarm Limit

Low Current Alarm Limit

No Scan Upper Init Time

No Scan Lower Init Time

No Scan Filter Select ☐

Post-Cure Lights

High Current Alarm Limit

Low Current Alarm Limit

Lamp Maintenance

Replaced Top Init Lamps ☐

Replaced Bot Init Lamps ☐

Replaced Post-Cure Lamps ☐

Save Changes **Cancel Changes**

2272

2278

2280

2276

Fig. 51

Recipe DB: C:\OptDyn\MGR112700.mdb
Job DB: C:\OptDyn\JobTickets.mdb
Ticket Dir: C:\OptDyn\

Recipe DB: C:\OptDyn\MGR112700.mdb
Job DB: C:\OptDyn\JobTickets.mdb
Ticket Dir: C:\OptDyn\

Ticket Poll Rate (sec) 2
Ticket Print Scale (%) 100

Archive Jobs Every 14 Days Keeping 3 Days

Cancel OK

2282

Fig. 52

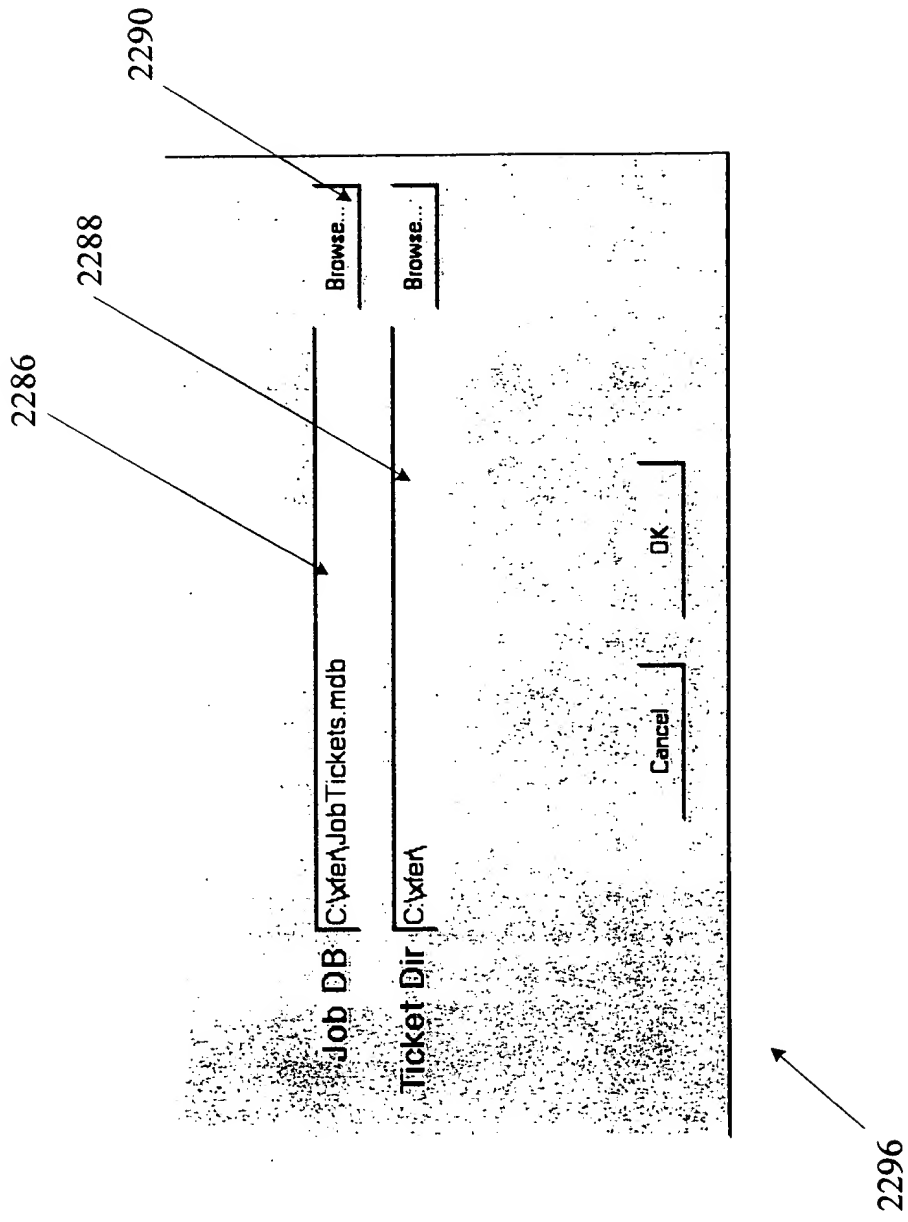


Fig. 53